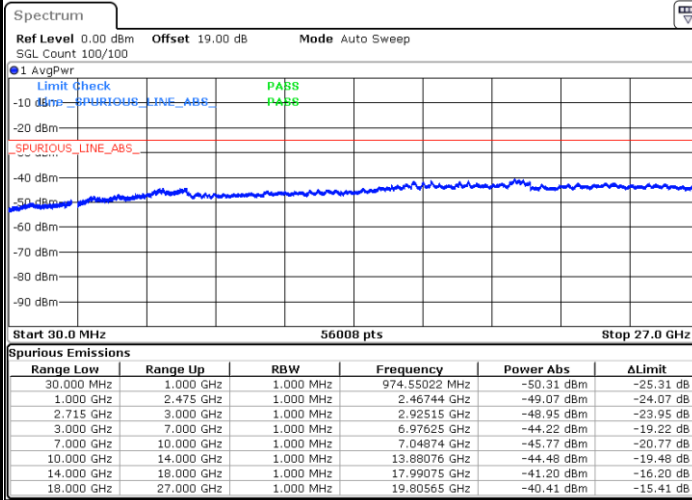




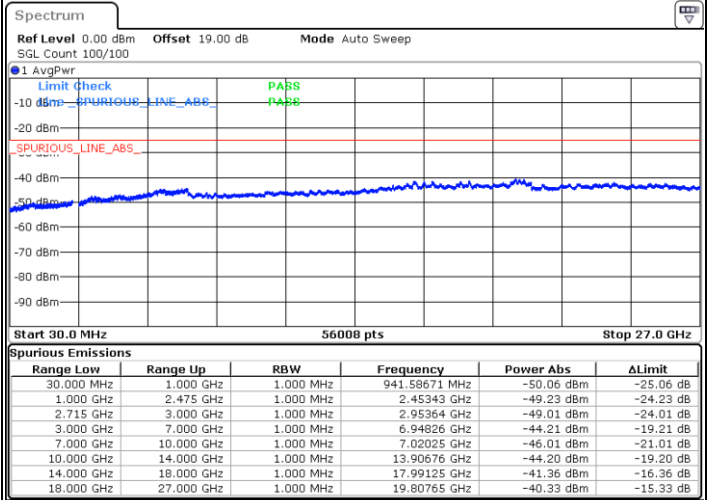
## LTE Band 41 / 15MHz

## Lowest Channel / QPSK



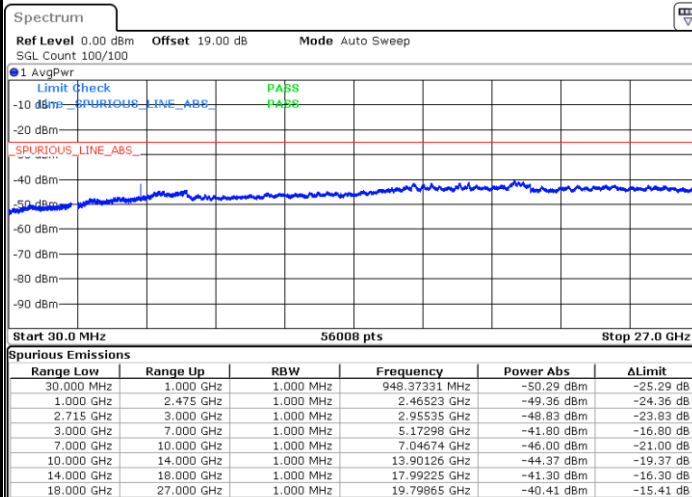
Date: 13.AUG.2021 20:46:04

## Lowest Channel / 16QAM



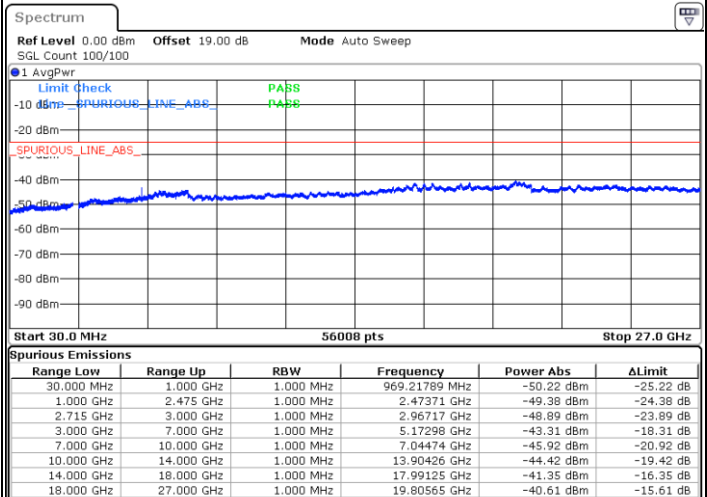
Date: 13.AUG.2021 20:47:14

## Middle Channel / QPSK



Date: 13.AUG.2021 20:48:23

## Middle Channel / 16QAM

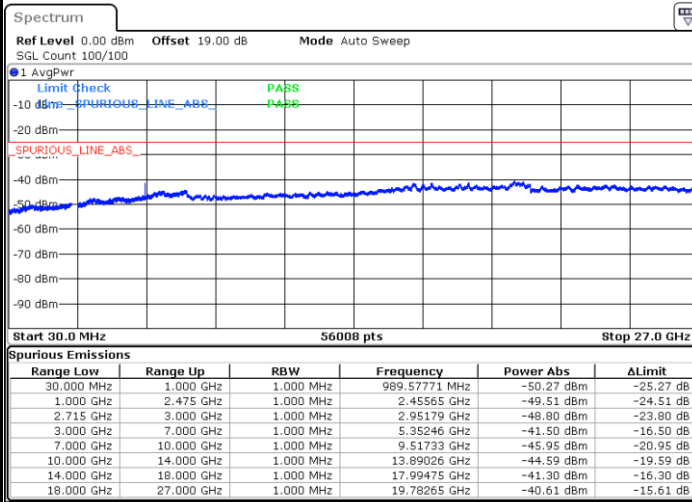


Date: 13.AUG.2021 20:49:33



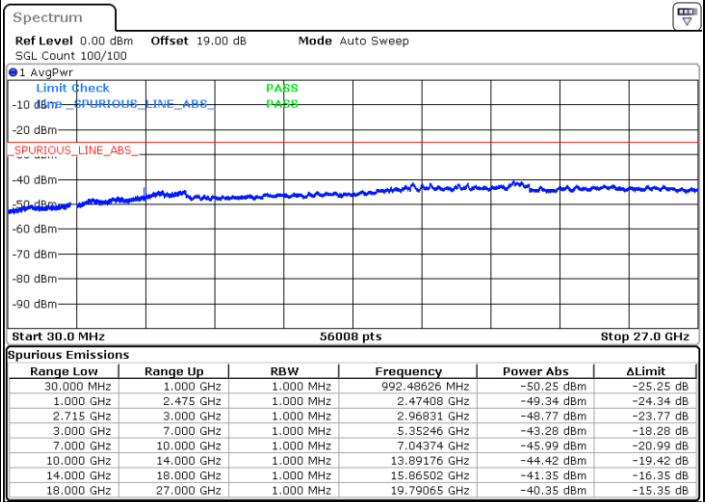
## LTE Band 41 / 15MHz

## Highest Channel / QPSK



Date: 13.AUG.2021 20:50:42

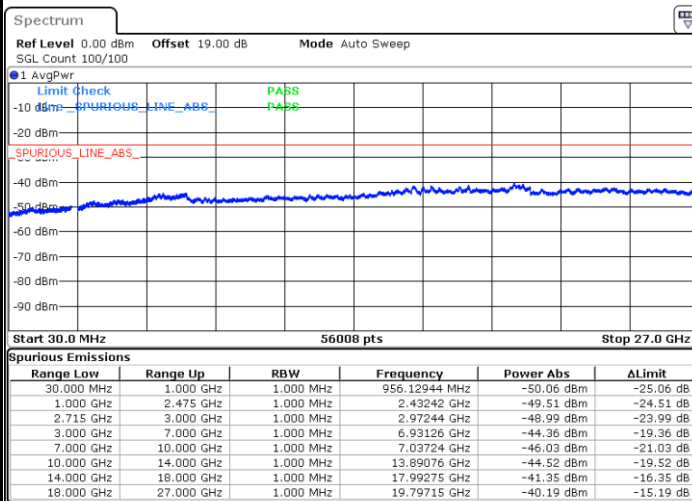
## Highest Channel / 16QAM



Date: 13.AUG.2021 20:51:51

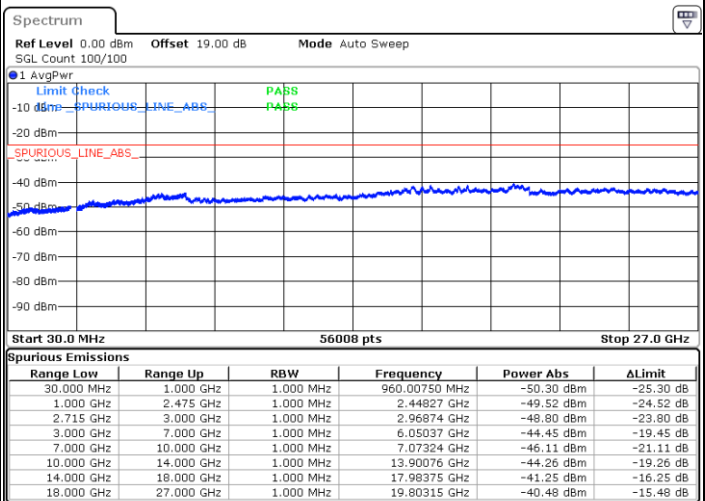
## LTE Band 41 / 20MHz

## Lowest Channel / QPSK



Date: 13.AUG.2021 20:59:57

## Lowest Channel / 16QAM

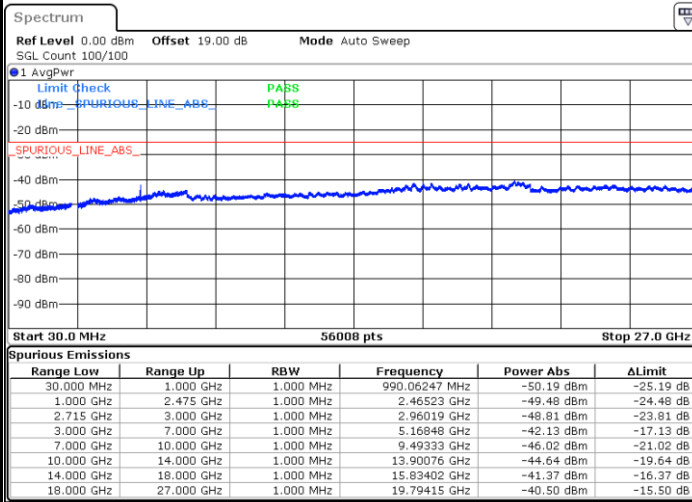


Date: 13.AUG.2021 21:01:06



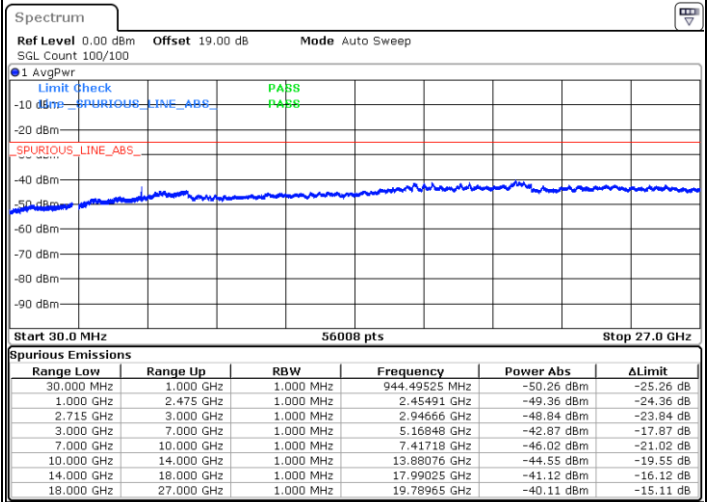
## LTE Band 41 / 20MHz

## Middle Channel / QPSK



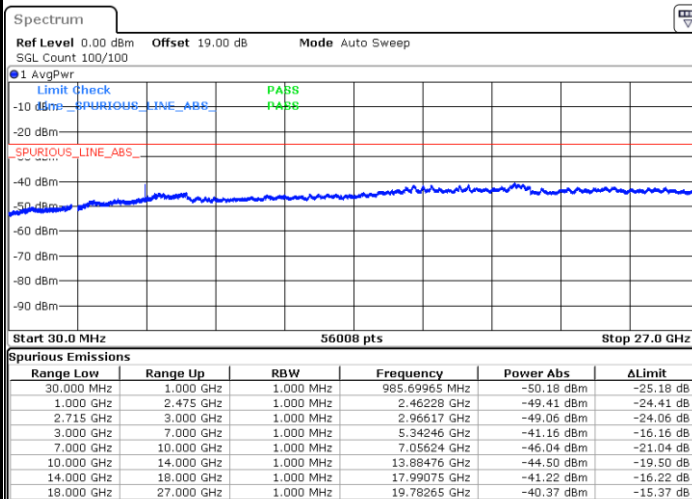
Date: 13.AUG.2021 21:02:16

## Middle Channel / 16QAM



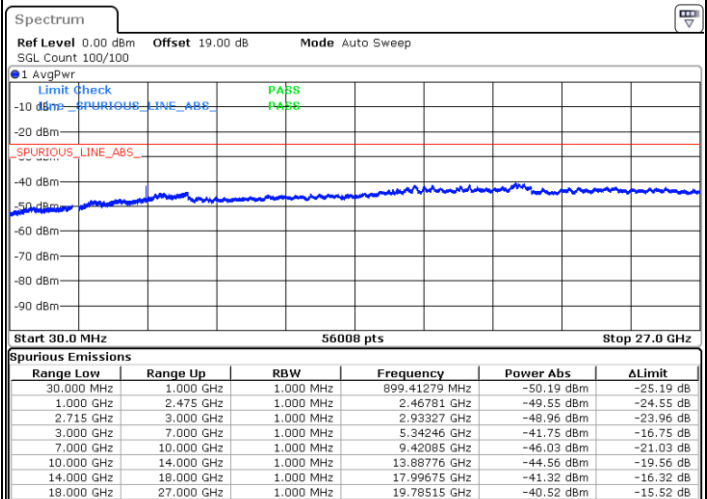
Date: 13.AUG.2021 21:03:25

## Highest Channel / QPSK



Date: 13.AUG.2021 21:04:35

## Highest Channel / 16QAM

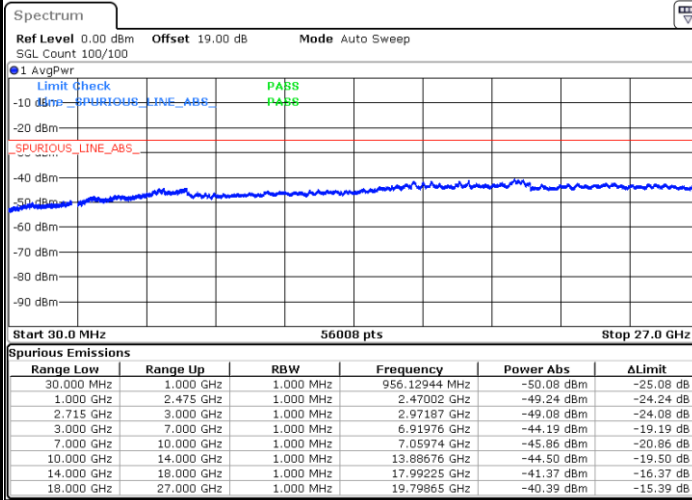


Date: 13.AUG.2021 21:05:44



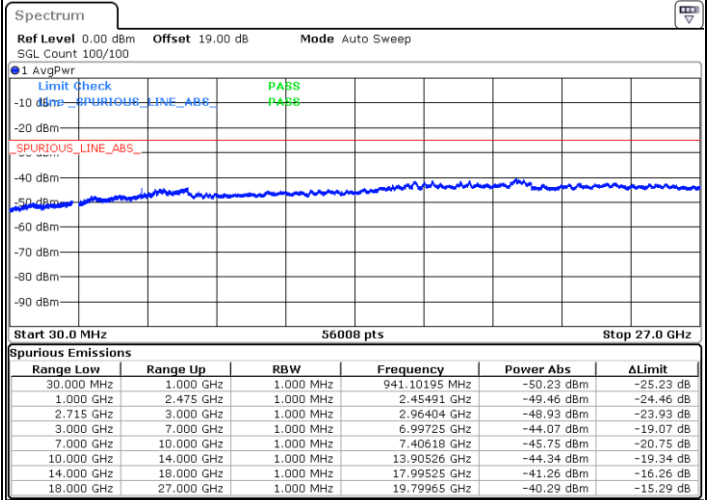
## LTE Band 41 / 5MHz

## Lowest Channel / 64QAM



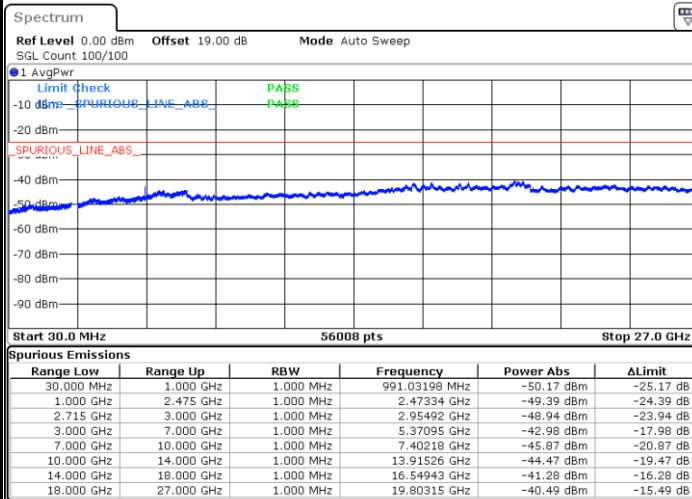
Date: 13.AUG.2021 20:25:16

## Middle Channel / 64QAM



Date: 13.AUG.2021 20:26:25

## Highest Channel / 64QAM

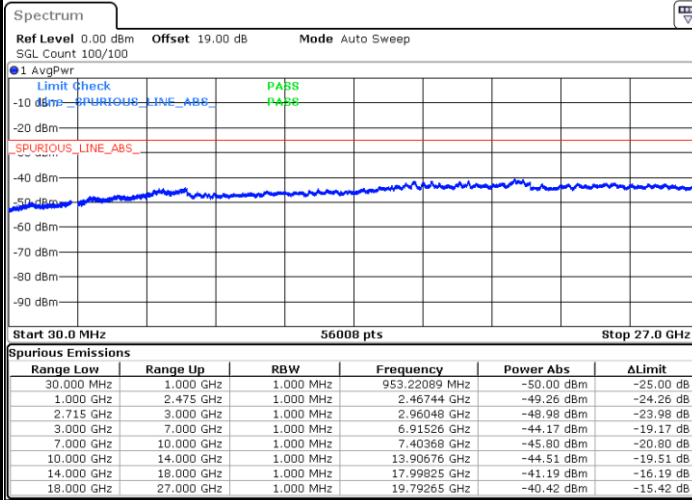


Date: 13.AUG.2021 20:27:34



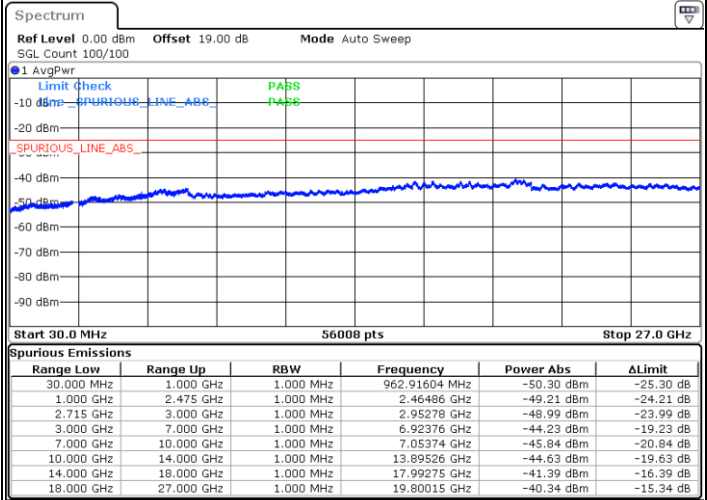
## LTE Band 41 / 10MHz

## Lowest Channel / 64QAM



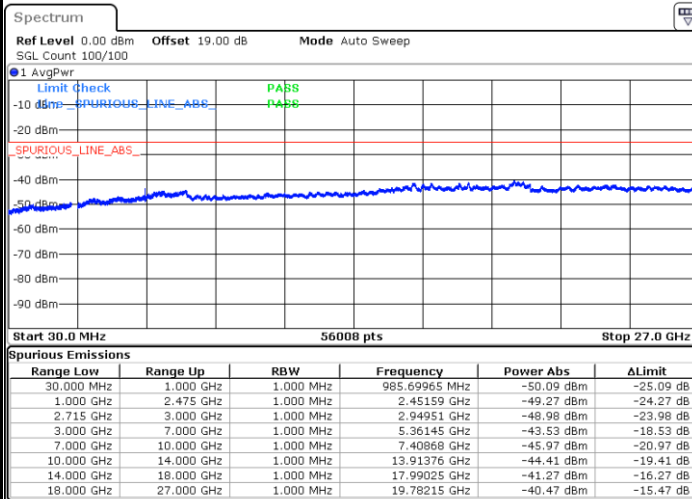
Date: 13.AUG.2021 20:35:40

## Middle Channel / 64QAM



Date: 13.AUG.2021 20:36:49

## Highest Channel / 64QAM

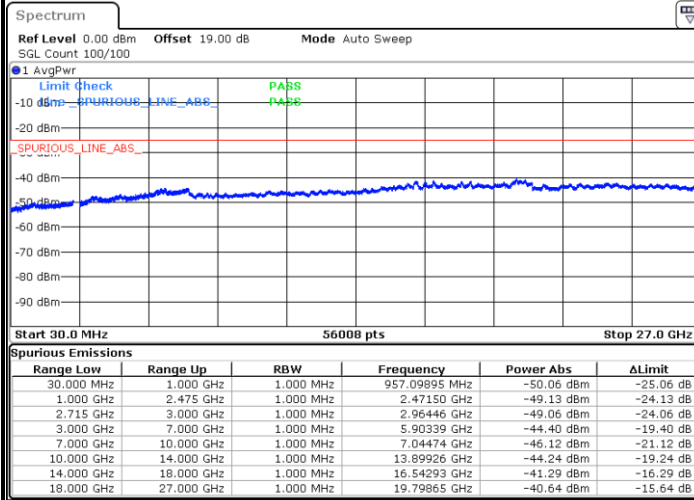


Date: 13.AUG.2021 20:37:59



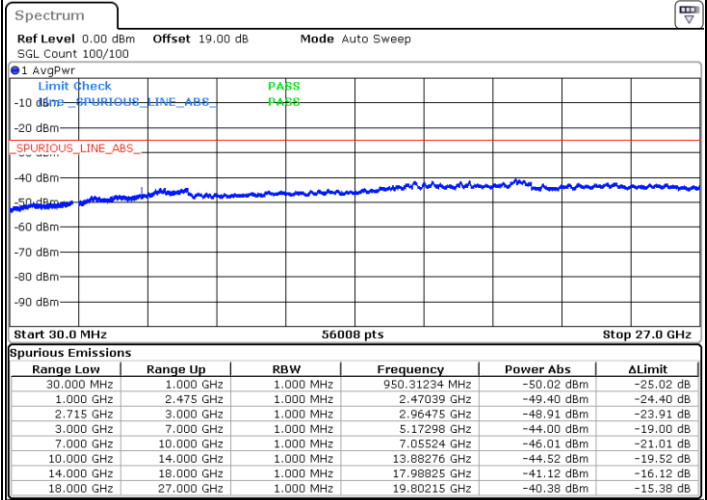
## LTE Band 41 / 15MHz

## Lowest Channel / 64QAM



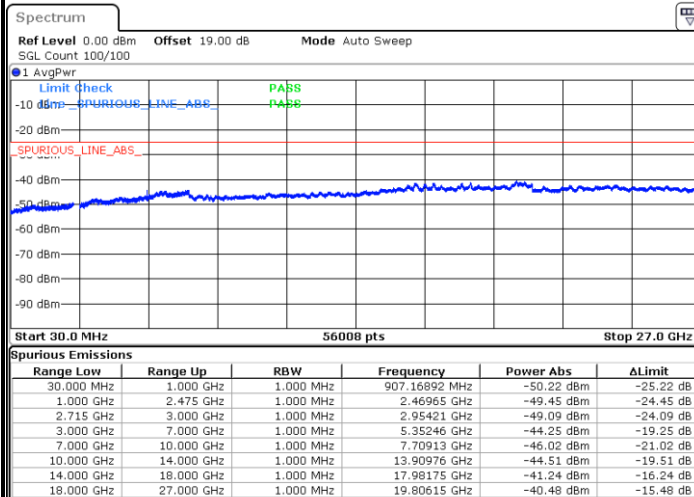
Date: 13.AUG.2021 20:53:01

## Middle Channel / 64QAM



Date: 13.AUG.2021 20:54:10

## Highest Channel / 64QAM

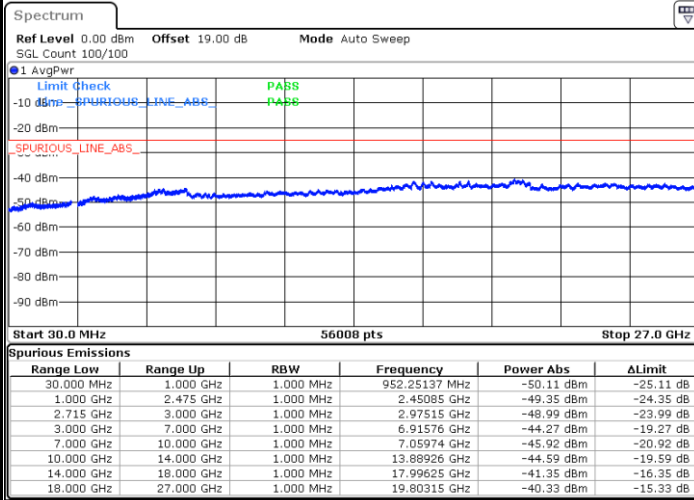


Date: 13.AUG.2021 20:55:19



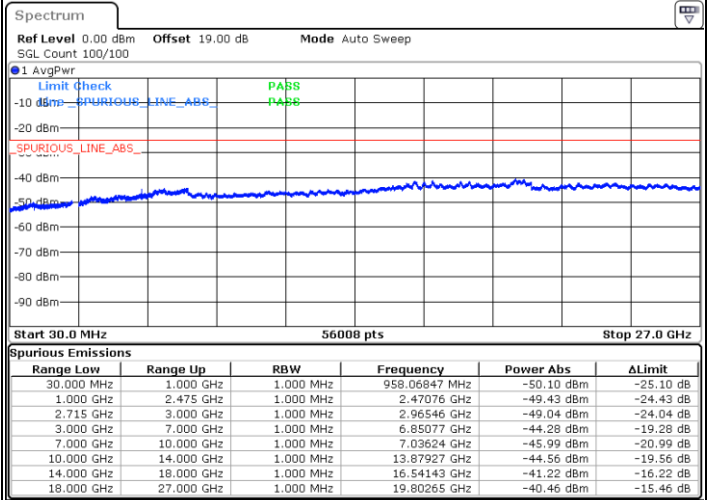
## LTE Band 41 / 20MHz

## Lowest Channel / 64QAM



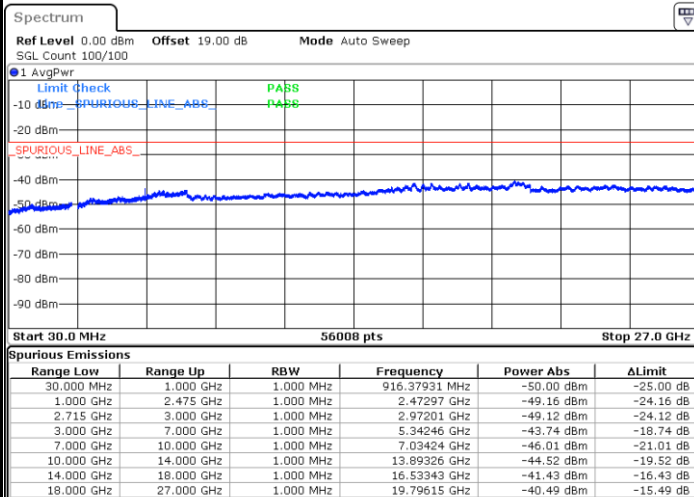
Date: 13.AUG.2021 20:56:29

## Middle Channel / 64QAM



Date: 13.AUG.2021 20:57:38

## Highest Channel / 64QAM



Date: 13.AUG.2021 20:58:48

**Frequency Stability**

| Test Conditions  |                   | LTE Band 41 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0039                              | PASS    |
| 40               | Normal Voltage    | 0.0035                              |         |
| 30               | Normal Voltage    | 0.0005                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0027                              |         |
| 0                | Normal Voltage    | 0.0009                              |         |
| -10              | Normal Voltage    | 0.0008                              |         |
| -20              | Normal Voltage    | 0.0006                              |         |
| -30              | Normal Voltage    | 0.0010                              |         |
| 20               | Maximum Voltage   | 0.0053                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0049                              |         |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.





## LTE Band 41C

## 26dB Bandwidth

| Mode       | LTE Band 41C : 26dB BW(MHz) |             |             |             |             |
|------------|-----------------------------|-------------|-------------|-------------|-------------|
| QPSK       |                             |             |             |             |             |
| BW         | 10MHz+20MHz                 | 15MHz+15MHz | 15MHz+20MHz | 20MHz+10MHz | 20MHz+15MHz |
| Lowest CH  | 30.21                       | 31.83       | 34.90       | 32.73       | 35.32       |
| Middle CH  | 31.05                       | 30.63       | 36.01       | 30.15       | 35.18       |
| Highest CH | 30.21                       | 35.66       | 35.39       | 30.87       | 35.18       |
| BW         | 20MHz+20MHz                 |             |             |             |             |
| Lowest CH  | 39.88                       | -           | -           | -           | -           |
| Middle CH  | 40.20                       | -           | -           | -           | -           |
| Highest CH | 39.88                       | -           | -           | -           | -           |

| Mode       | LTE Band 41C : 26dB BW(MHz) |             |             |             |             |
|------------|-----------------------------|-------------|-------------|-------------|-------------|
| 16QAM      |                             |             |             |             |             |
| BW         | 10MHz+20MHz                 | 15MHz+15MHz | 15MHz+20MHz | 20MHz+10MHz | 20MHz+15MHz |
| Lowest CH  | 30.09                       | 33.39       | 34.90       | 30.09       | 34.97       |
| Middle CH  | 30.15                       | 36.68       | 35.25       | 31.17       | 35.18       |
| Highest CH | 30.03                       | 31.47       | 35.39       | 30.03       | 34.97       |
| BW         | 20MHz+20MHz                 |             |             |             |             |
| Lowest CH  | 39.88                       | -           | -           | -           | -           |
| Middle CH  | 40.04                       | -           | -           | -           | -           |
| Highest CH | 39.80                       | -           | -           | -           | -           |

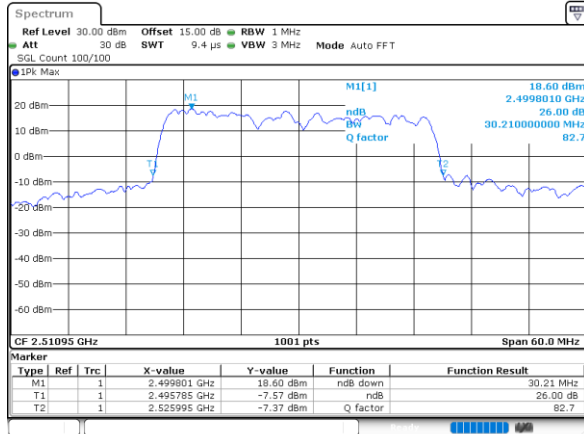
| Mode       | LTE Band 41C : 26dB BW(MHz) |             |             |             |             |
|------------|-----------------------------|-------------|-------------|-------------|-------------|
| 64QAM      |                             |             |             |             |             |
| BW         | 10MHz+20MHz                 | 15MHz+15MHz | 15MHz+20MHz | 20MHz+10MHz | 20MHz+15MHz |
| Lowest CH  | 30.03                       | 32.85       | 34.97       | 30.15       | 35.11       |
| Middle CH  | 30.03                       | 35.37       | 35.32       | 30.09       | 35.18       |
| Highest CH | 29.91                       | 33.09       | 35.04       | 29.85       | 35.25       |
| BW         | 20MHz+20MHz                 |             |             |             |             |
| Lowest CH  | 39.88                       | -           | -           | -           | -           |
| Middle CH  | 39.96                       | -           | -           | -           | -           |
| Highest CH | 39.88                       | -           | -           | -           | -           |



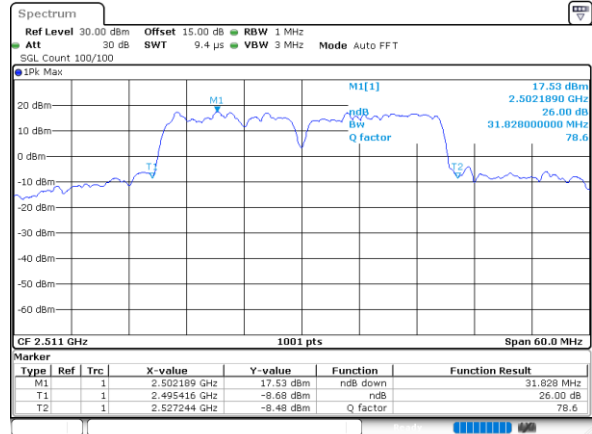
## LTE Band 41C

## QPSK

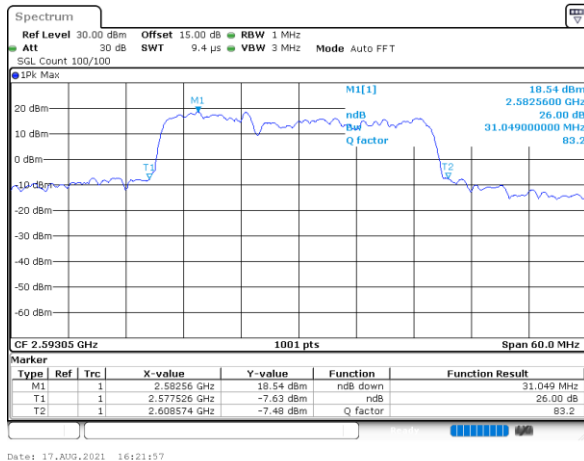
## Lowest Channel / 10MHz+20MHz



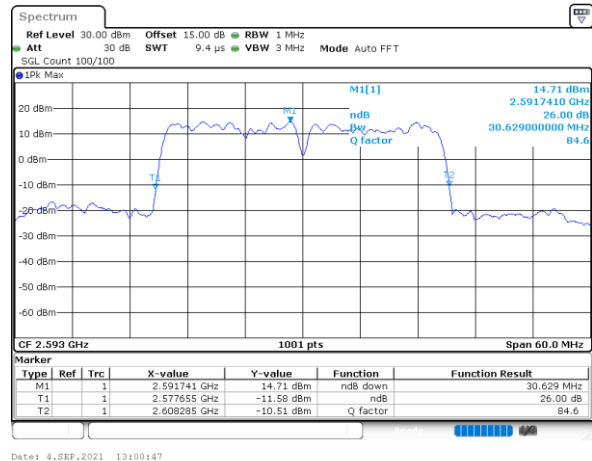
## Lowest Channel / 15MHz+15MHz



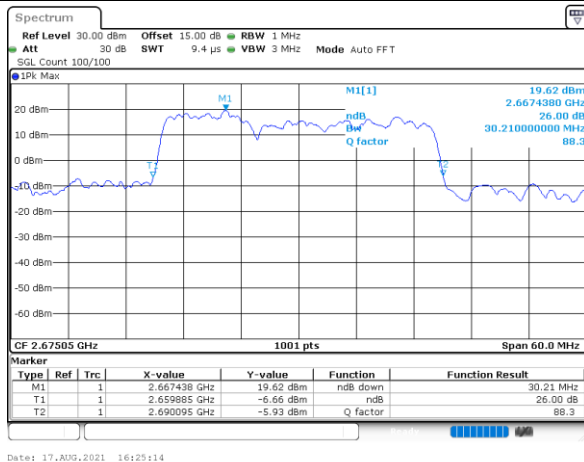
## Middle Channel / 10MHz+20MHz



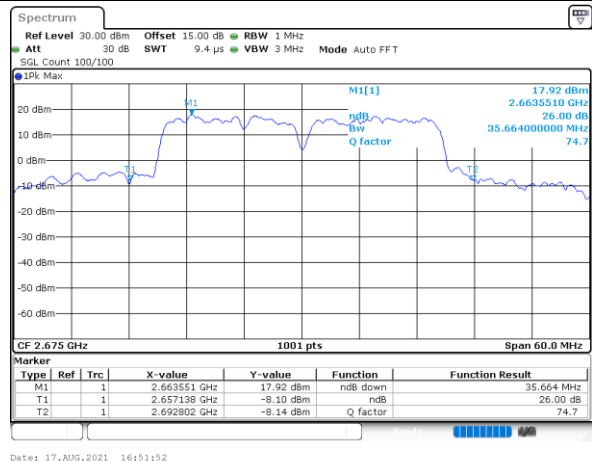
## Middle Channel / 15MHz+15MHz



## Highest Channel / 10MHz+20MHz



## Highest Channel / 15MHz+15MHz

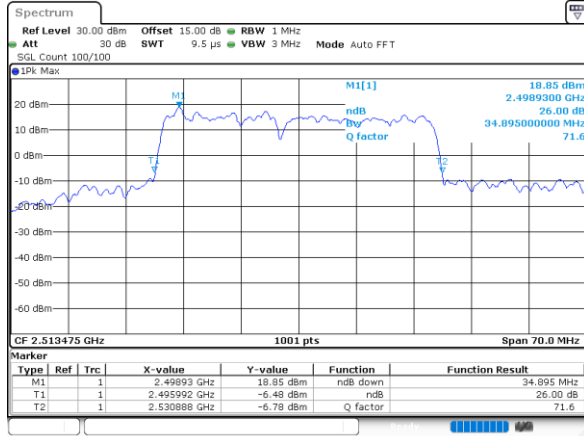




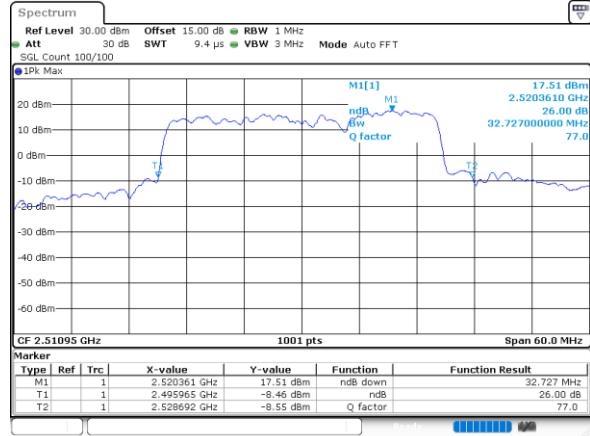
## LTE Band 41C

## QPSK

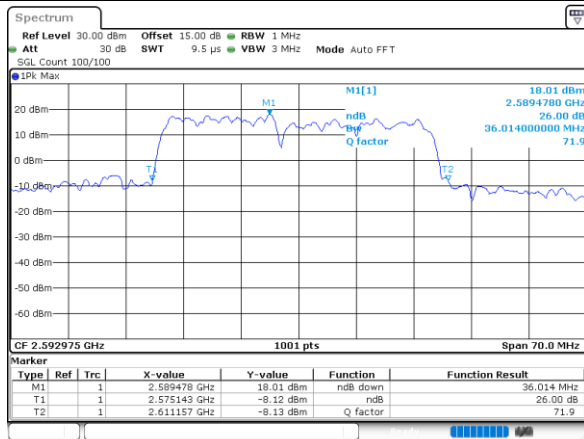
## Lowest Channel / 15MHz+20MHz



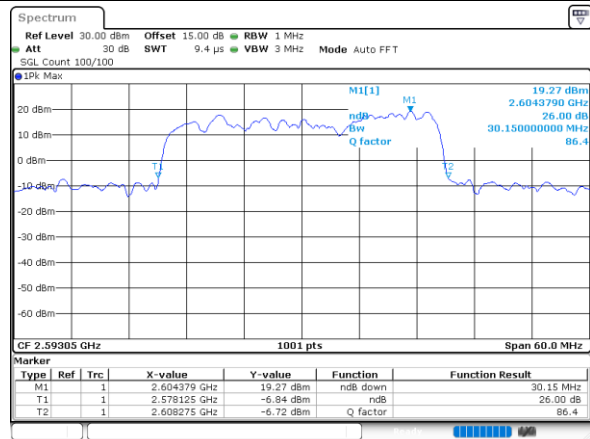
## Lowest Channel / 20MHz+10MHz



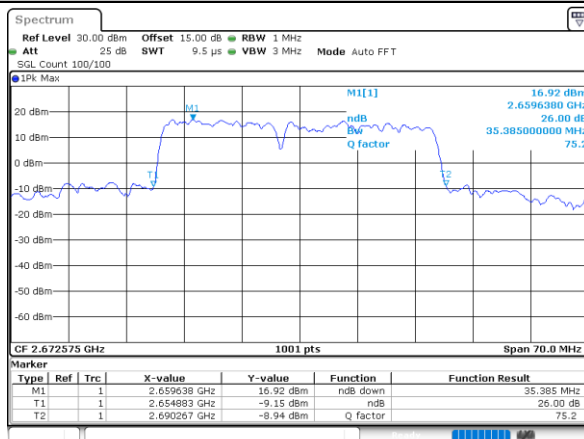
## Middle Channel / 15MHz+20MHz



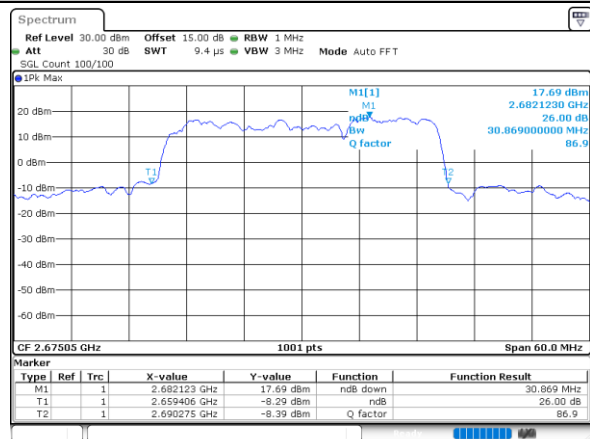
## Middle Channel / 20MHz+10MHz



## Highest Channel / 15MHz+20MHz



## Highest Channel / 20MHz+10MHz

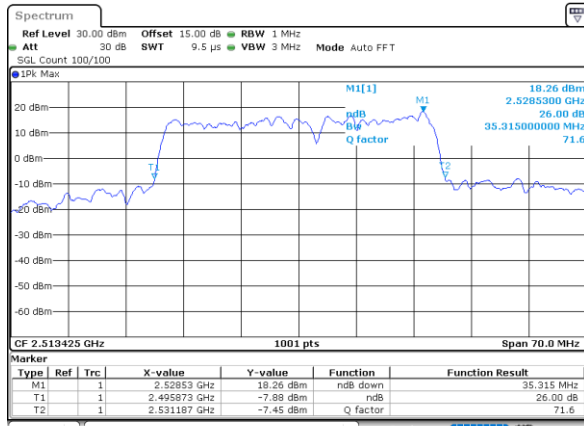




## LTE Band 41C

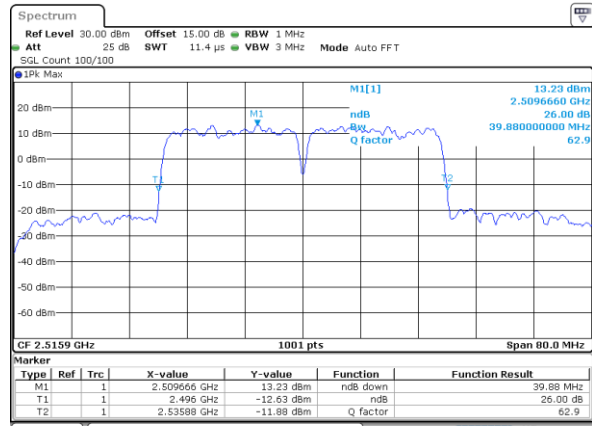
## QPSK

## Lowest Channel / 20MHz+15MHz



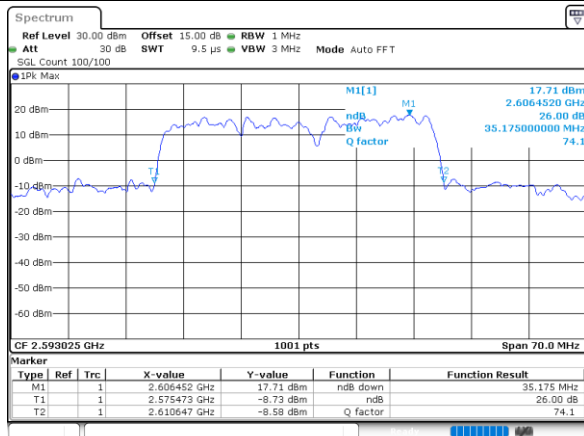
Date: 17.AUG.2021 17:09:48

## Lowest Channel / 20MHz+20MHz



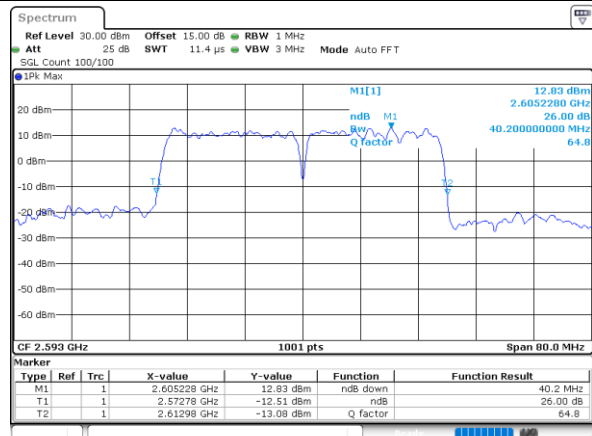
Date: 3.SEP.2021 17:41:36

## Middle Channel / 20MHz+15MHz



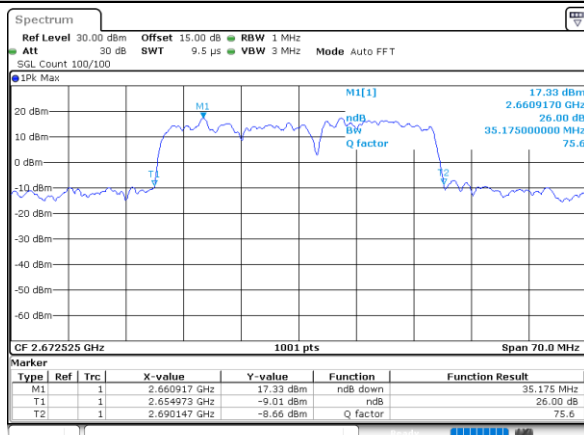
Date: 17.AUG.2021 17:14:08

## Middle Channel / 20MHz+20MHz



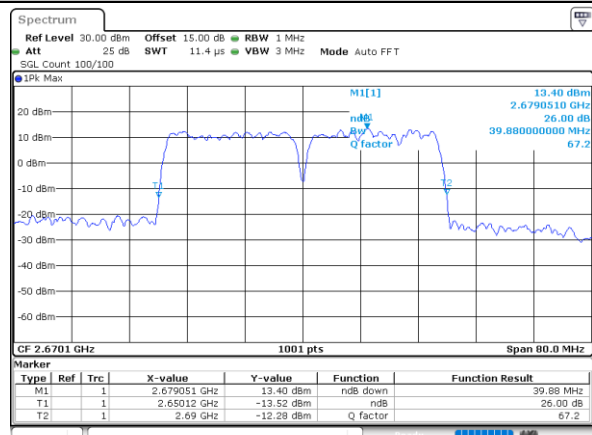
Date: 3.SEP.2021 17:45:40

## Highest Channel / 20MHz+15MHz



Date: 17.AUG.2021 17:17:23

## Highest Channel / 20MHz+20MHz



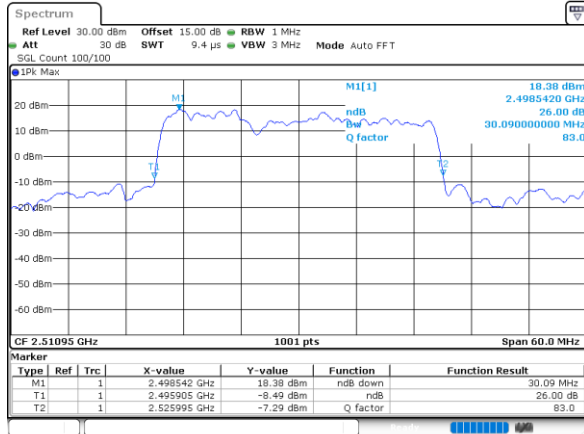
Date: 3.SEP.2021 17:50:01



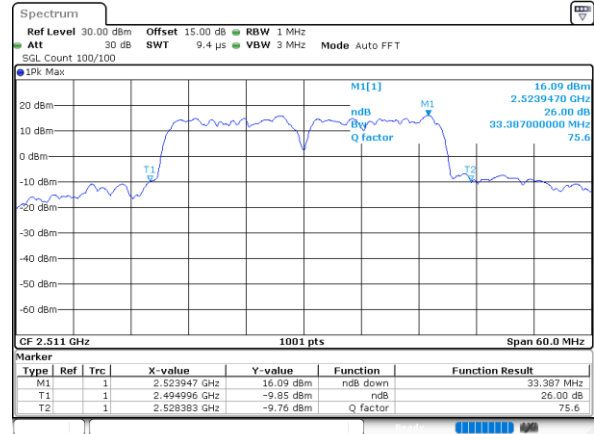
## LTE Band 41C

## 16QAM

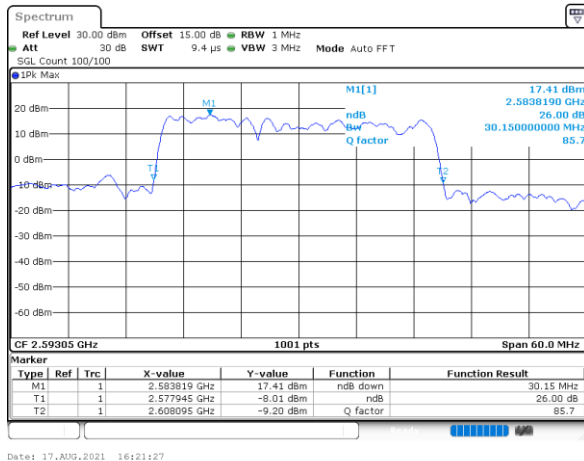
## Lowest Channel / 10MHz+20MHz



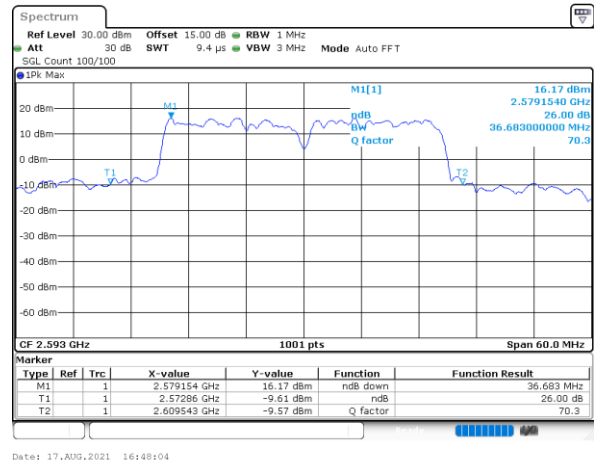
## Lowest Channel / 15MHz+15MHz



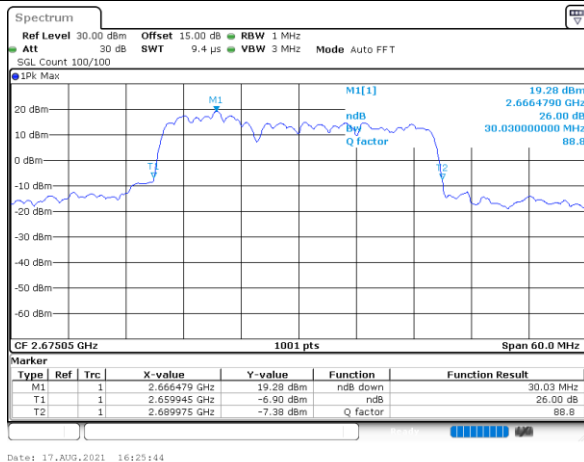
## Middle Channel / 10MHz+20MHz



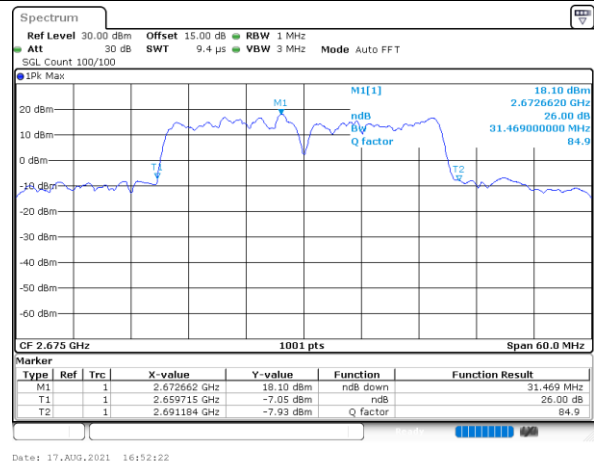
## Middle Channel / 15MHz+15MHz



## Highest Channel / 10MHz+20MHz



## Highest Channel / 15MHz+15MHz

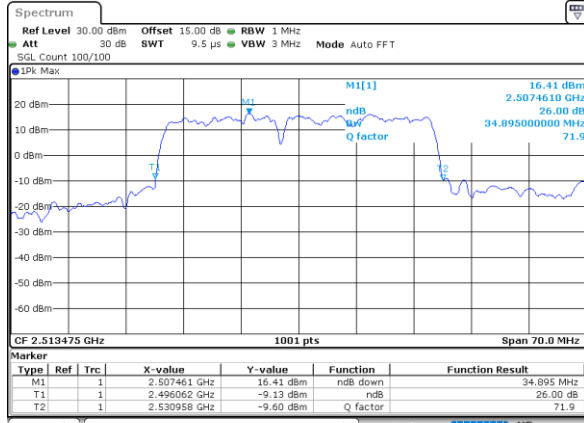




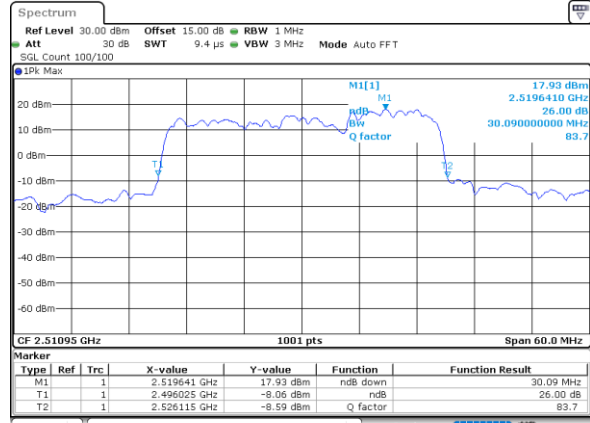
## LTE Band 41C

## 16QAM

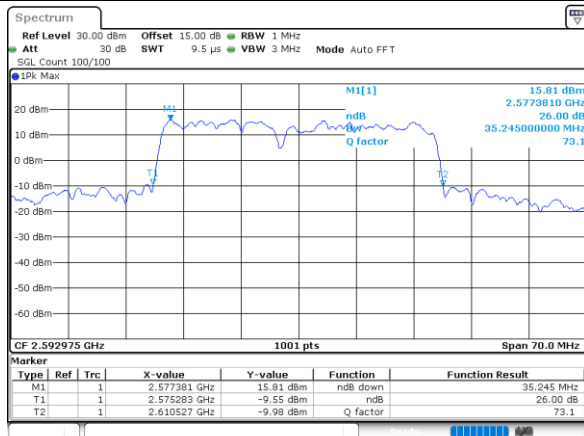
## Lowest Channel / 15MHz+20MHz



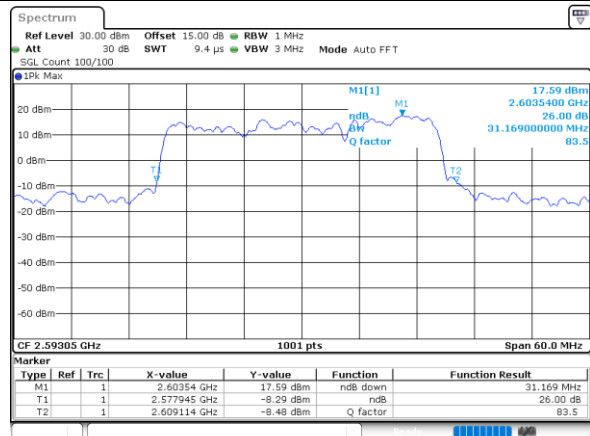
## Lowest Channel / 20MHz+10MHz



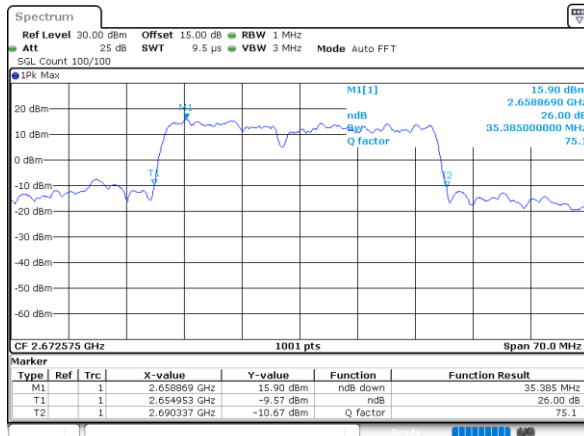
## Middle Channel / 15MHz+20MHz



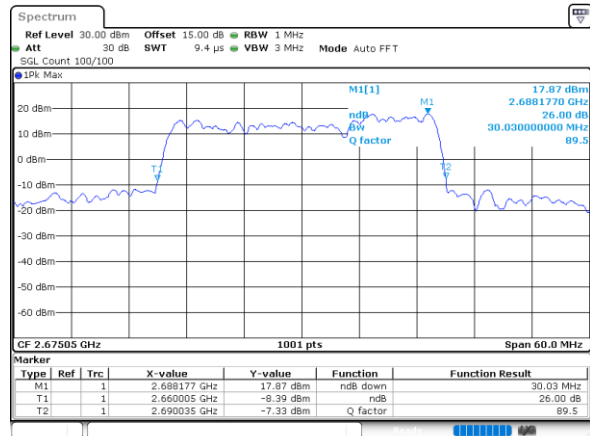
## Middle Channel / 20MHz+10MHz



## Highest Channel / 15MHz+20MHz



## Highest Channel / 20MHz+10MHz

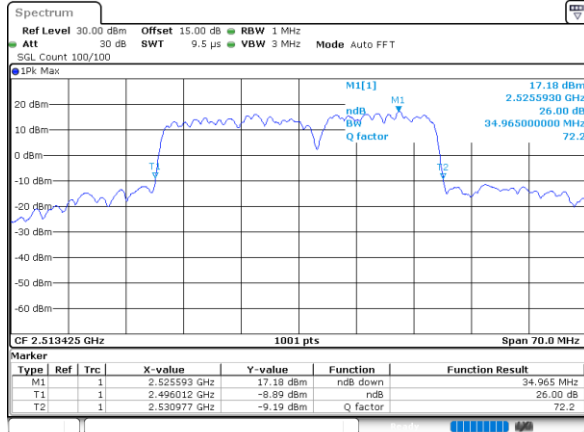




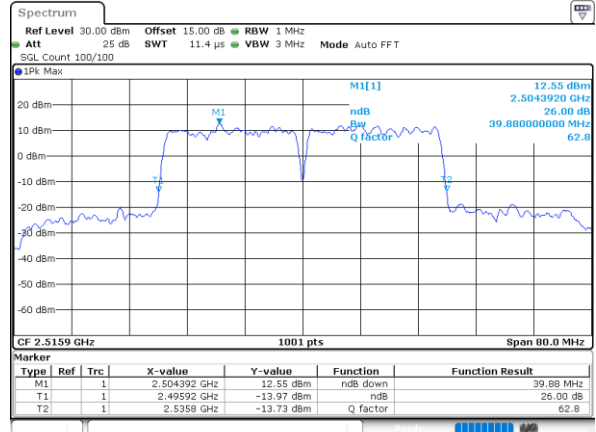
## LTE Band 41C

## 16QAM

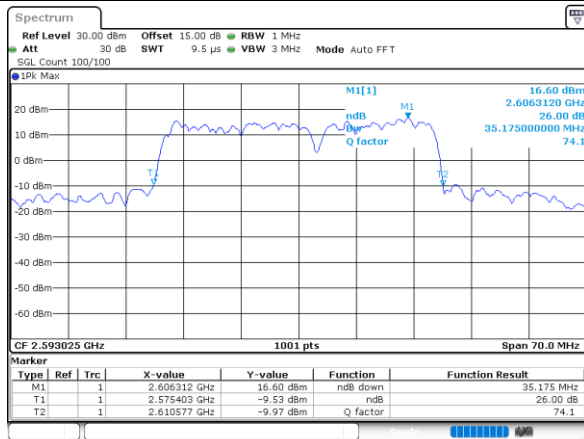
## Lowest Channel / 20MHz+15MHz



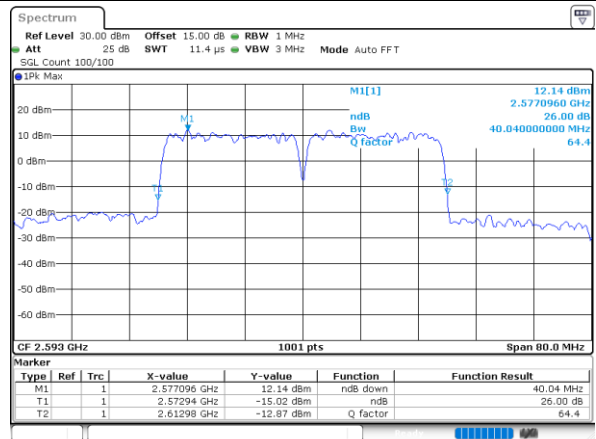
## Lowest Channel / 20MHz+20MHz



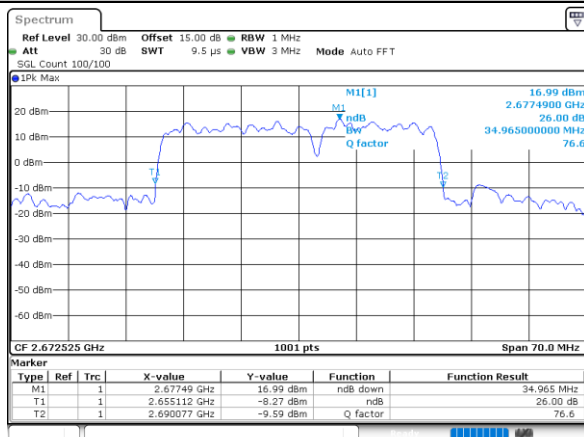
## Middle Channel / 20MHz+15MHz



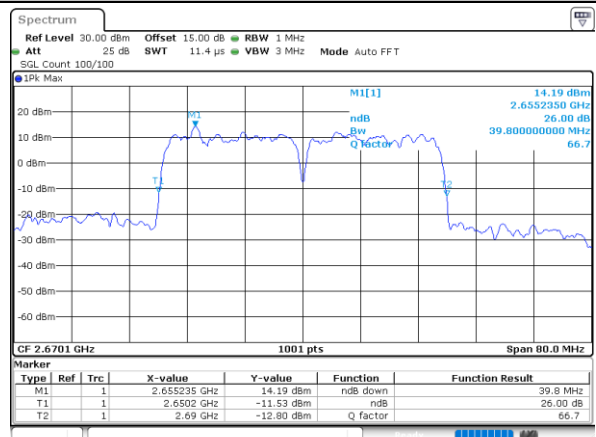
## Middle Channel / 20MHz+20MHz



## Highest Channel / 20MHz+15MHz



## Highest Channel / 20MHz+20MHz

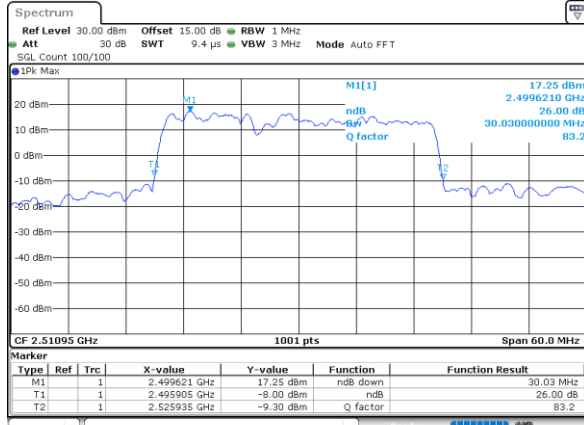




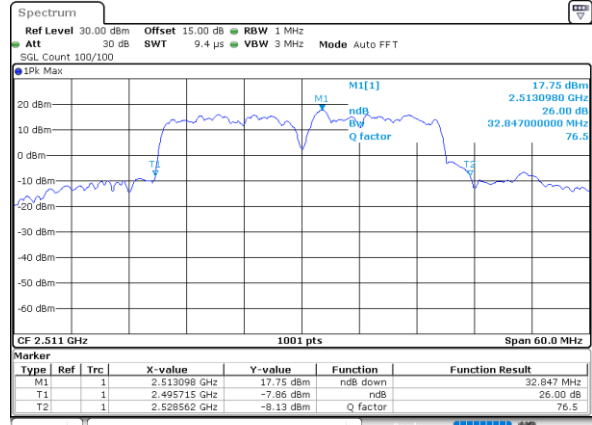
## LTE Band 41C

## 64QAM

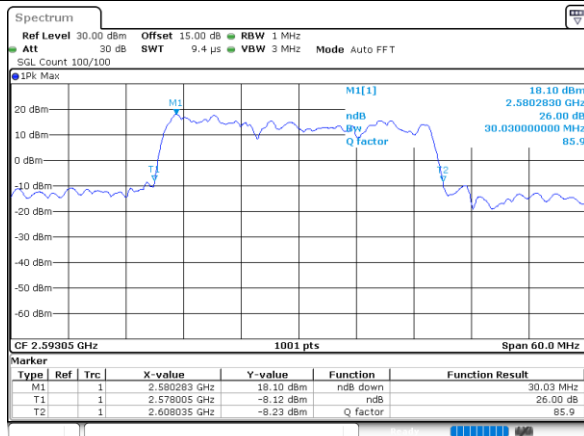
## Lowest Channel / 10MHz+20MHz



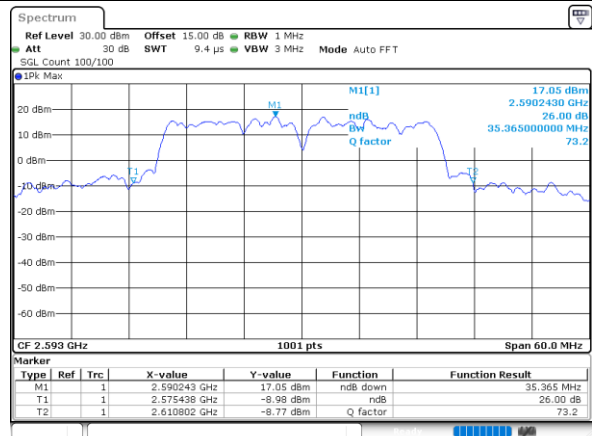
## Lowest Channel / 15MHz+15MHz



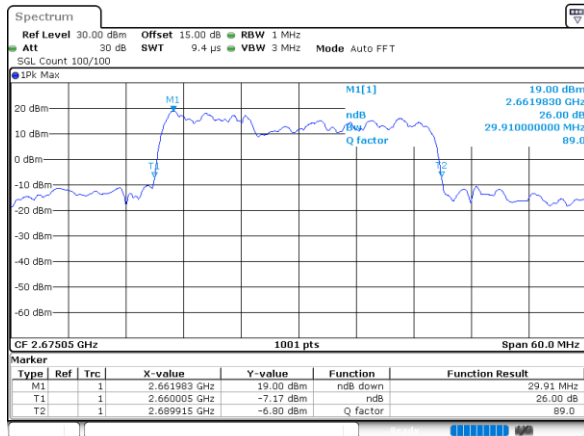
## Middle Channel / 10MHz+20MHz



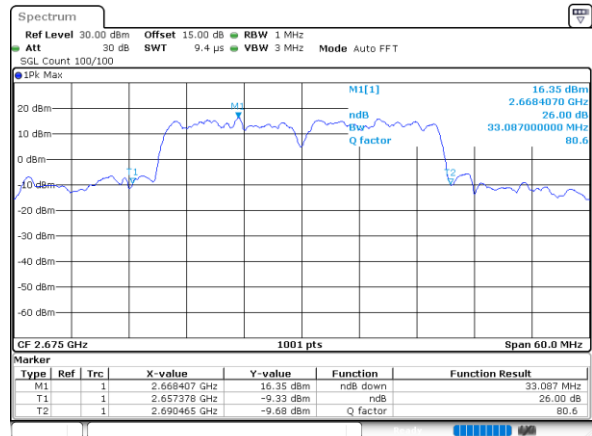
## Middle Channel / 15MHz+15MHz



## Highest Channel / 10MHz+20MHz



## Highest Channel / 15MHz+15MHz



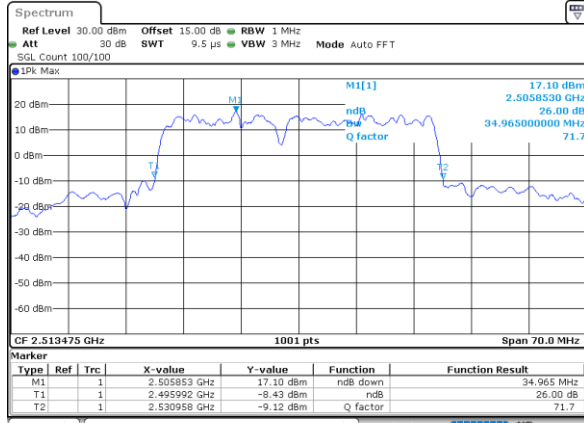




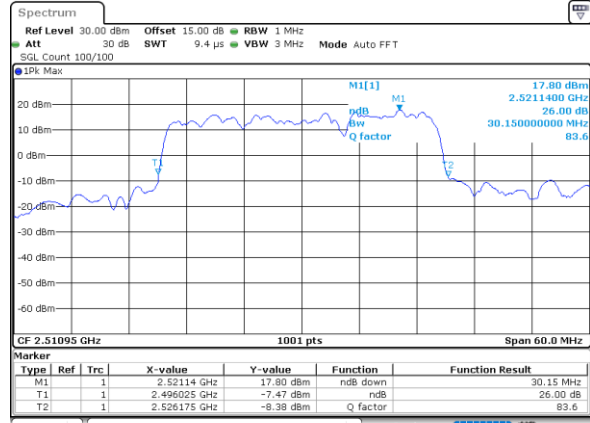
## LTE Band 41C

## 64QAM

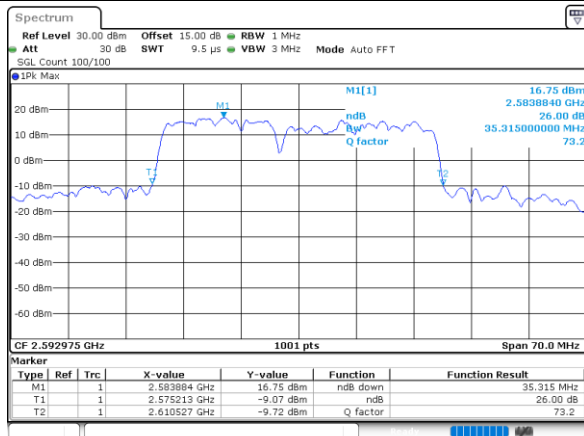
## Lowest Channel / 15MHz+20MHz



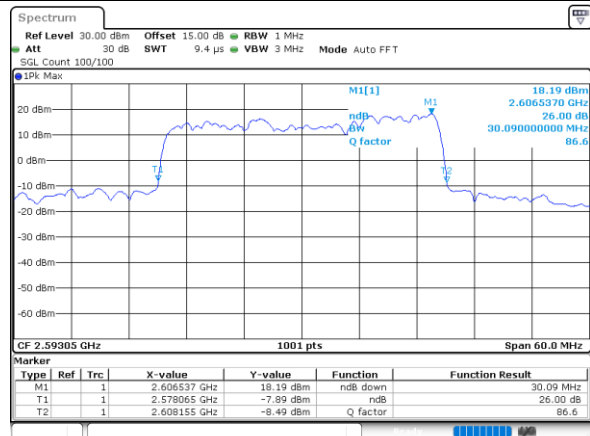
## Lowest Channel / 20MHz+10MHz



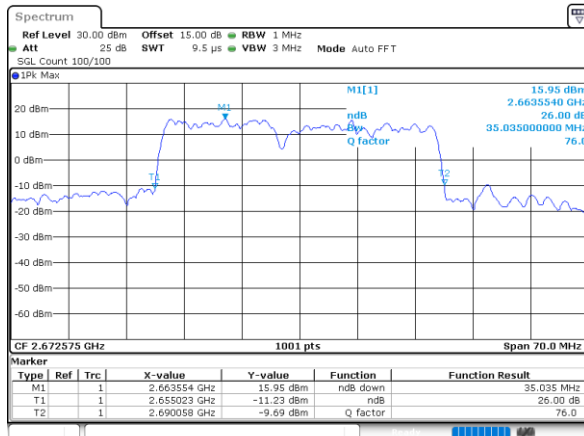
## Middle Channel / 15MHz+20MHz



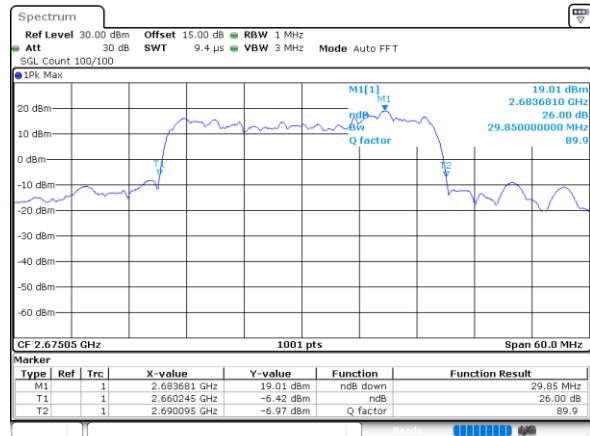
## Middle Channel / 20MHz+10MHz



## Highest Channel / 15MHz+20MHz



## Highest Channel / 20MHz+10MHz

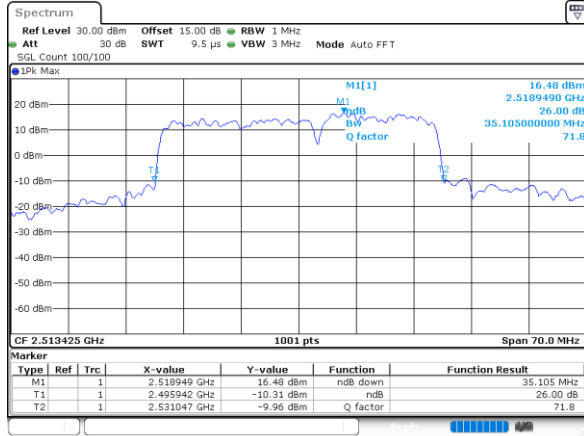




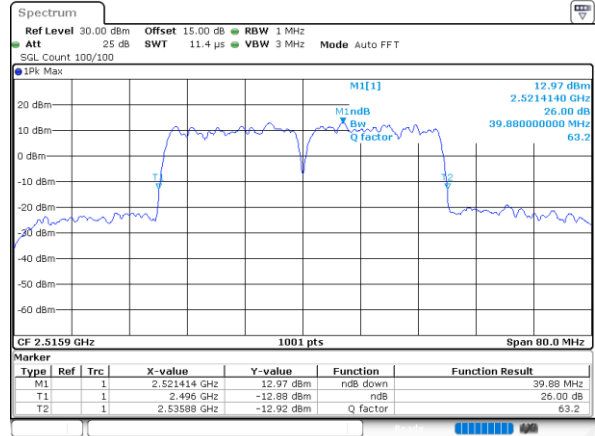
## LTE Band 41C

## 64QAM

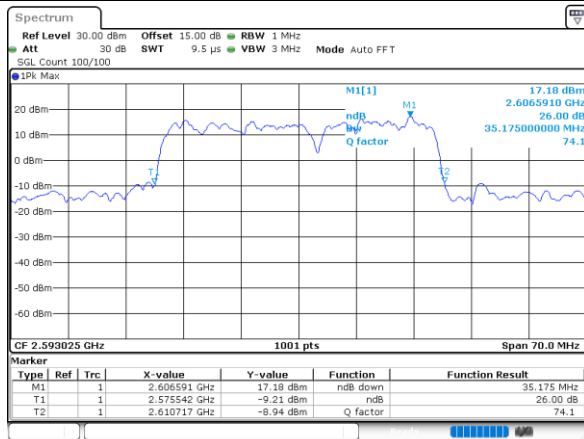
## Lowest Channel / 20MHz+15MHz



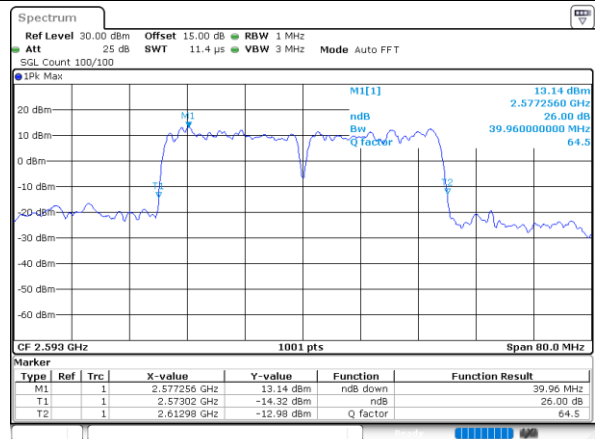
## Lowest Channel / 20MHz+20MHz



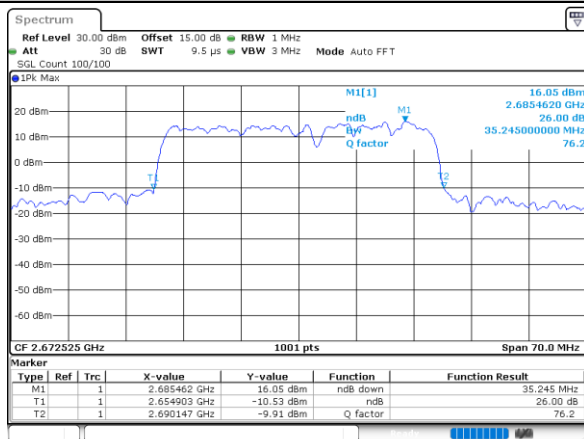
## Middle Channel / 20MHz+15MHz



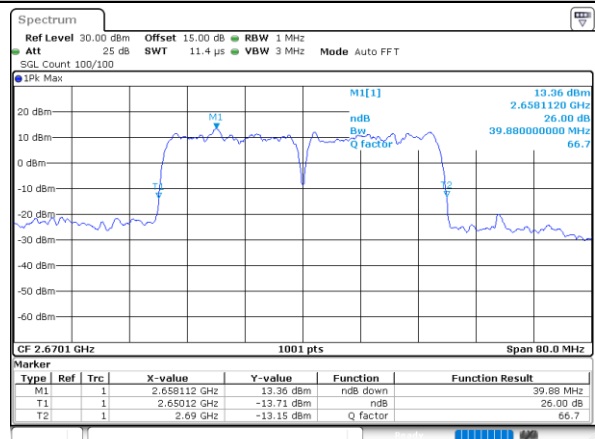
## Middle Channel / 20MHz+20MHz



## Highest Channel / 20MHz+15MHz



## Highest Channel / 20MHz+20MHz





## Occupied Bandwidth

| Mode       | LTE Band 41C : 99%OBW(MHz) |             |             |             |             |
|------------|----------------------------|-------------|-------------|-------------|-------------|
| QPSK       |                            |             |             |             |             |
| BW         | 10MHz+20MHz                | 15MHz+15MHz | 15MHz+20MHz | 20MHz+10MHz | 20MHz+15MHz |
| Lowest CH  | 28.35                      | 28.83       | 33.15       | 28.17       | 33.15       |
| Middle CH  | 28.23                      | 28.95       | 33.29       | 28.35       | 33.08       |
| Highest CH | 28.47                      | 29.07       | 32.94       | 28.35       | 33.01       |
| BW         | 20MHz+20MHz                |             |             |             |             |
| Lowest CH  | 37.64                      | -           | -           | -           | -           |
| Middle CH  | 37.72                      | -           | -           | -           | -           |
| Highest CH | 37.80                      | -           | -           | -           | -           |

| Mode       | LTE Band 41C : 99%OBW(MHz) |             |             |             |             |
|------------|----------------------------|-------------|-------------|-------------|-------------|
| 16QAM      |                            |             |             |             |             |
| BW         | 10MHz+20MHz                | 15MHz+15MHz | 15MHz+20MHz | 20MHz+10MHz | 20MHz+15MHz |
| Lowest CH  | 28.11                      | 28.71       | 33.01       | 27.81       | 32.94       |
| Middle CH  | 28.11                      | 28.89       | 33.22       | 28.11       | 33.01       |
| Highest CH | 28.11                      | 28.83       | 32.94       | 28.23       | 32.80       |
| BW         | 20MHz+20MHz                |             |             |             |             |
| Lowest CH  | 37.72                      | -           | -           | -           | -           |
| Middle CH  | 37.80                      | -           | -           | -           | -           |
| Highest CH | 37.72                      | -           | -           | -           | -           |

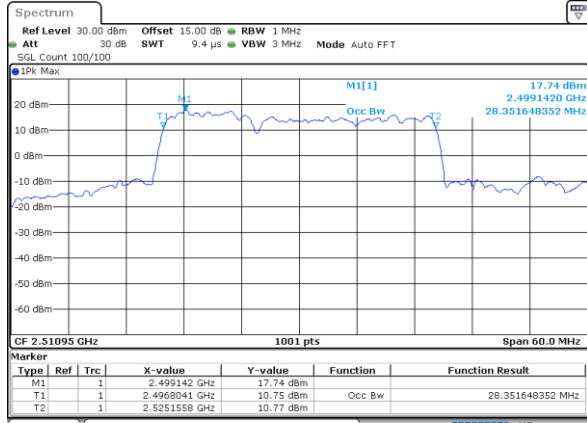
| Mode       | LTE Band 41C : 99%OBW(MHz) |             |             |             |             |
|------------|----------------------------|-------------|-------------|-------------|-------------|
| 64QAM      |                            |             |             |             |             |
| BW         | 10MHz+20MHz                | 15MHz+15MHz | 15MHz+20MHz | 20MHz+10MHz | 20MHz+15MHz |
| Lowest CH  | 28.11                      | 28.77       | 33.01       | 28.17       | 33.01       |
| Middle CH  | 28.23                      | 28.95       | 32.87       | 28.11       | 32.94       |
| Highest CH | 28.11                      | 28.89       | 33.22       | 28.29       | 32.87       |
| BW         | 20MHz+20MHz                |             |             |             |             |
| Lowest CH  | 37.88                      | -           | -           | -           | -           |
| Middle CH  | 37.96                      | -           | -           | -           | -           |
| Highest CH | 37.64                      | -           | -           | -           | -           |



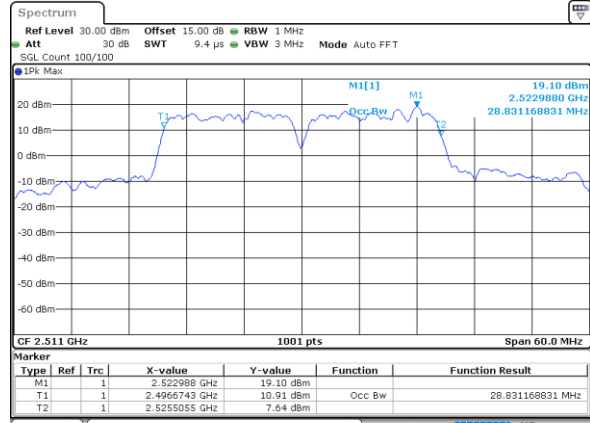
## LTE Band 41C

## QPSK

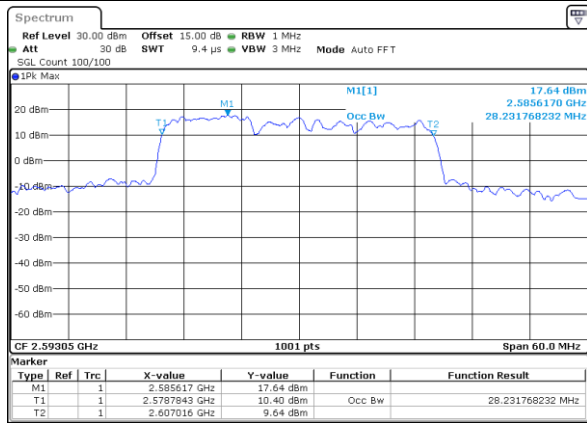
## Lowest Channel / 10MHz+20MHz



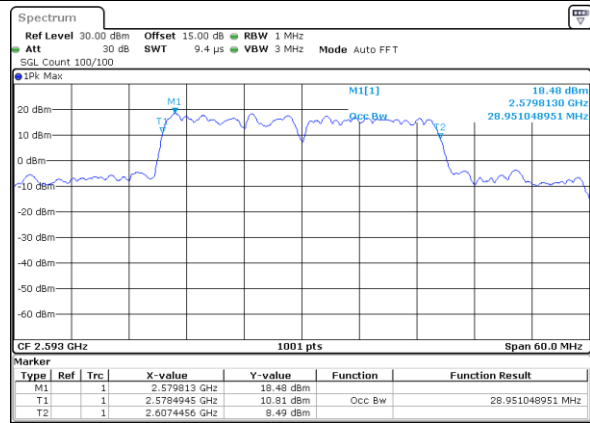
## Lowest Channel / 15MHz+15MHz



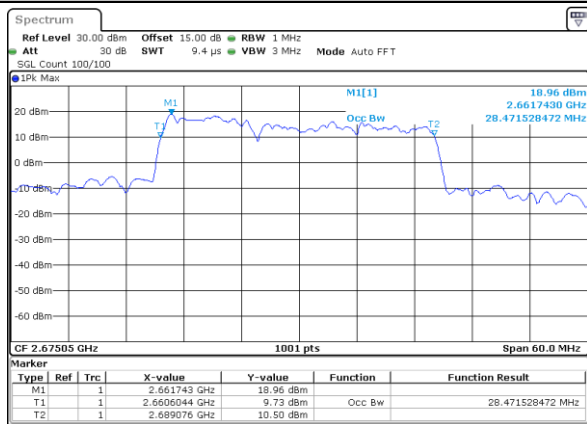
## Middle Channel / 10MHz+20MHz



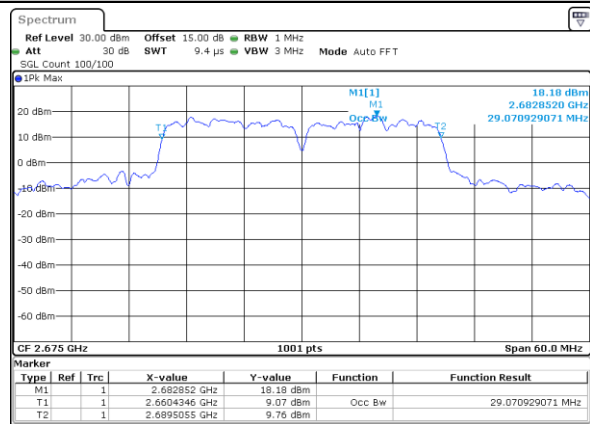
## Middle Channel / 15MHz+15MHz



## Highest Channel / 10MHz+20MHz



## Highest Channel / 15MHz+15MHz

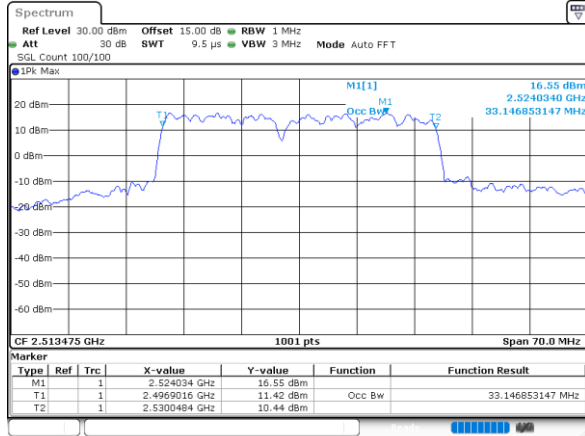




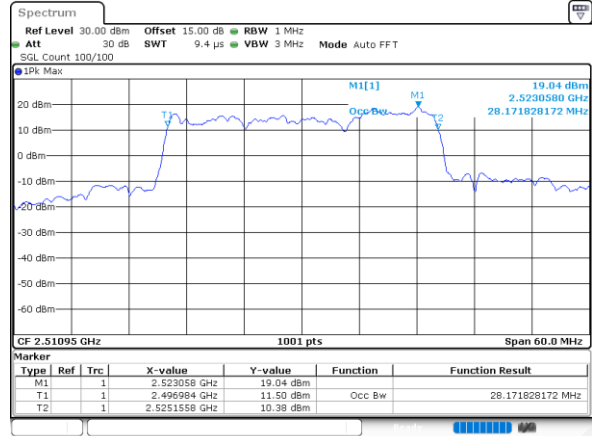
## LTE Band 41C

## QPSK

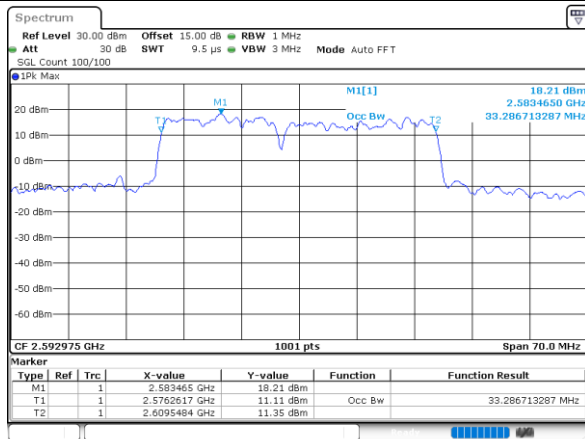
## Lowest Channel / 15MHz+20MHz



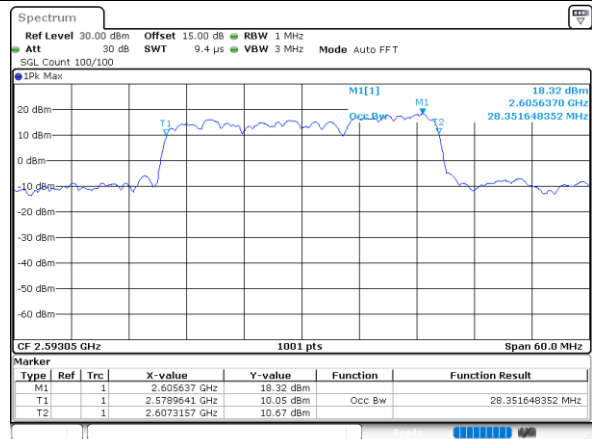
## Lowest Channel / 20MHz+10MHz



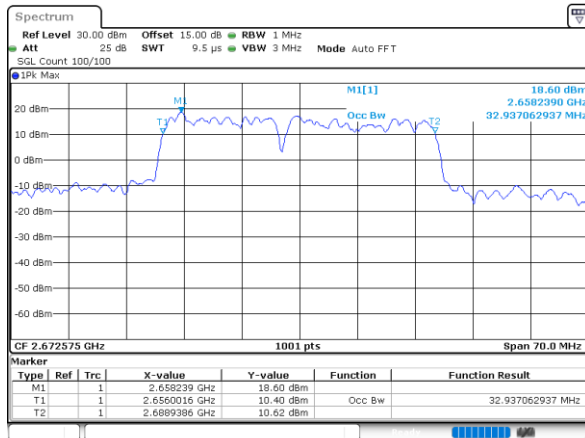
## Middle Channel / 15MHz+20MHz



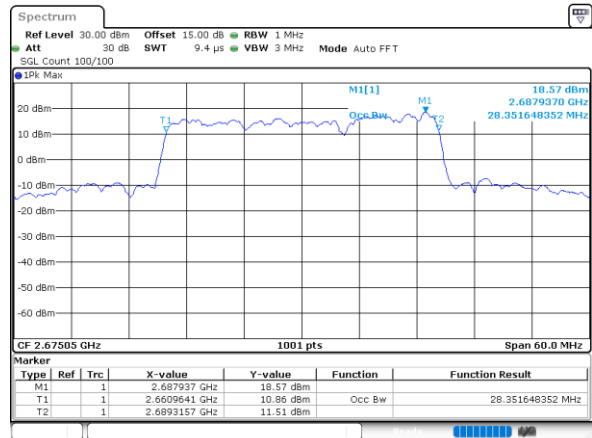
## Middle Channel / 20MHz+10MHz



## Highest Channel / 15MHz+20MHz



## Highest Channel / 20MHz+10MHz

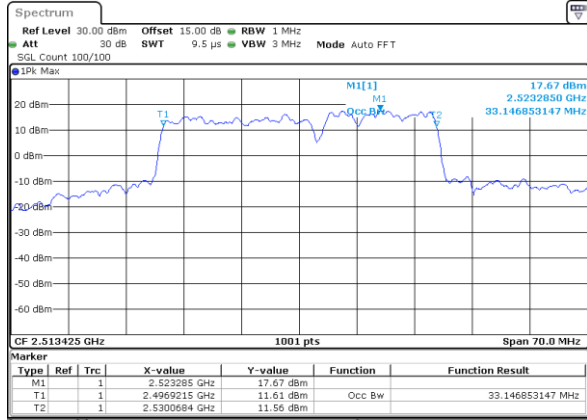




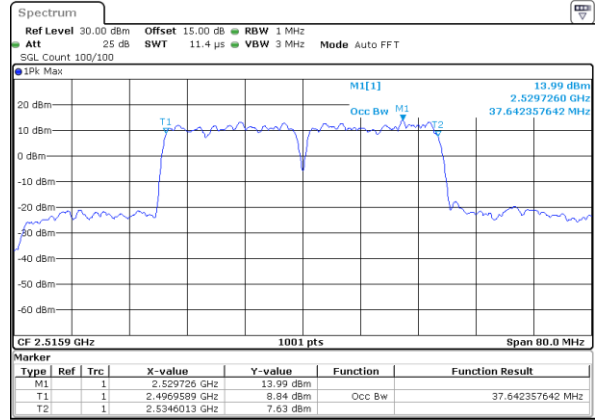
## LTE Band 41C

## QPSK

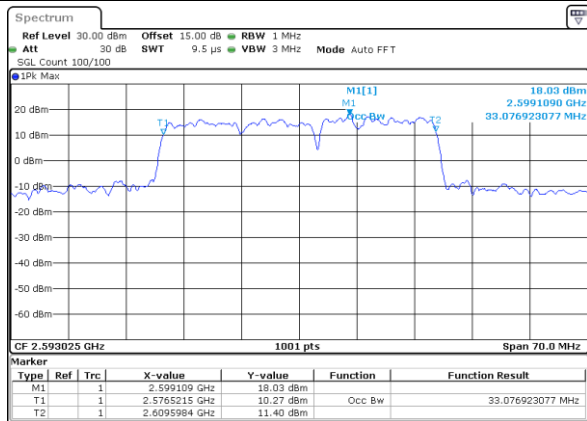
## Lowest Channel / 20MHz+15MHz



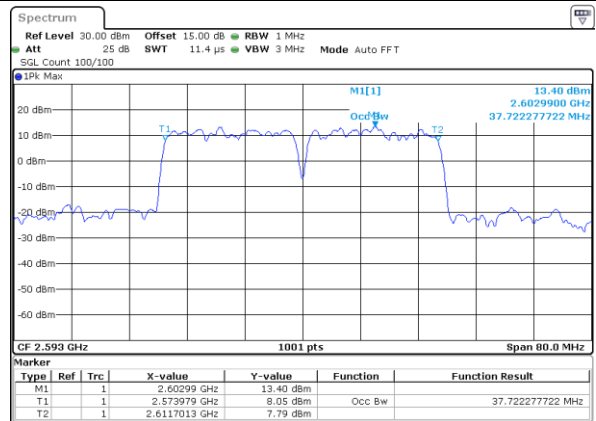
## Lowest Channel / 20MHz+20MHz



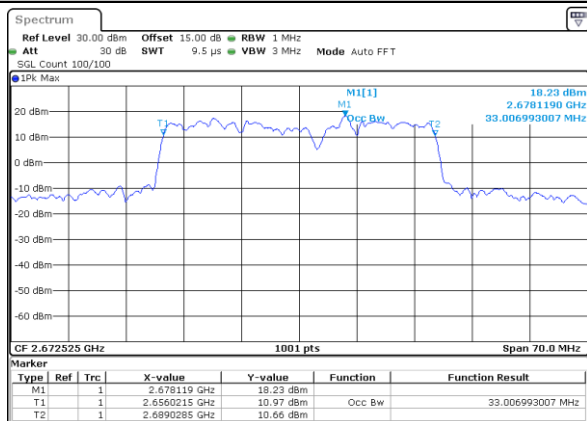
## Middle Channel / 20MHz+15MHz



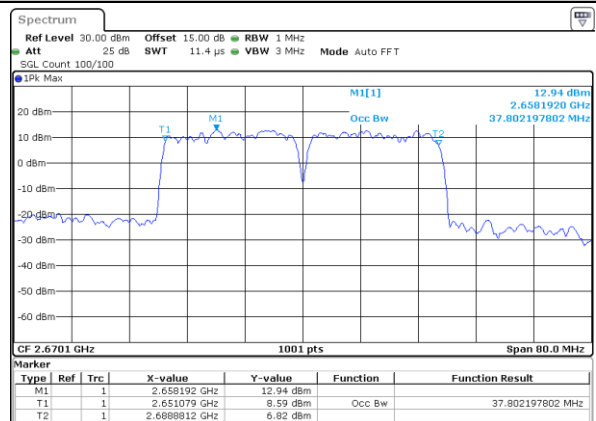
## Middle Channel / 20MHz+20MHz

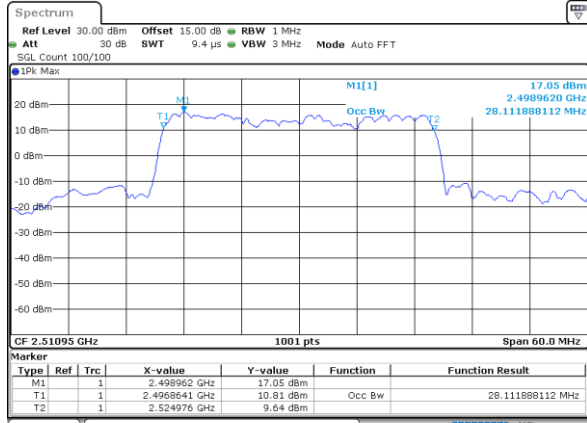


## Highest Channel / 20MHz+15MHz

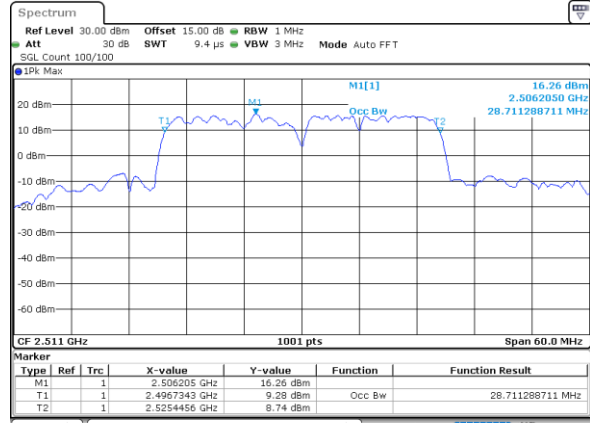


## Highest Channel / 20MHz+20MHz

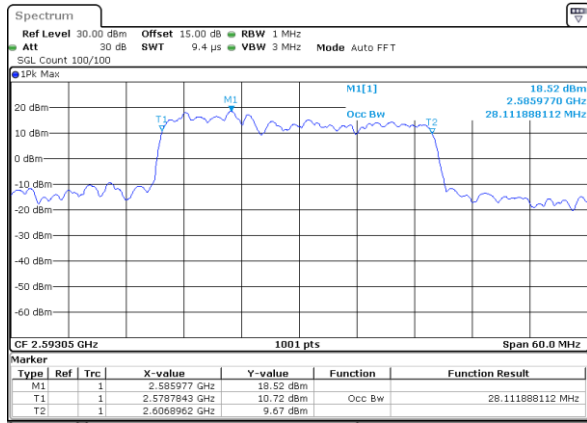


**LTE Band 41C****16QAM****Lowest Channel / 10MHz+20MHz**

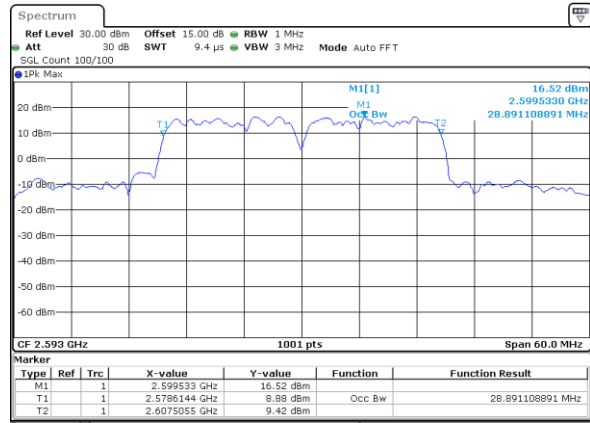
Date: 17\_AUG.2021 16:15:40

**Lowest Channel / 15MHz+15MHz**

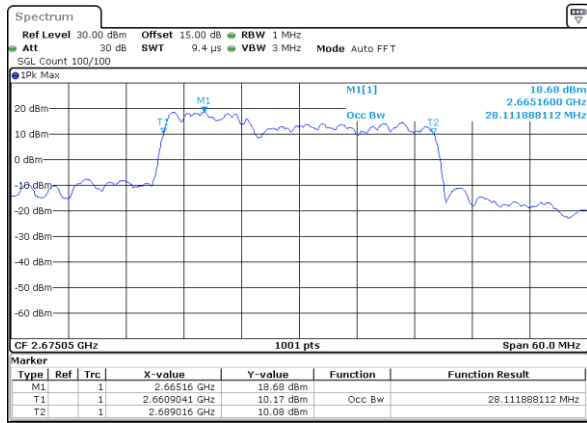
Date: 17\_AUG.2021 16:42:17

**Middle Channel / 10MHz+20MHz**

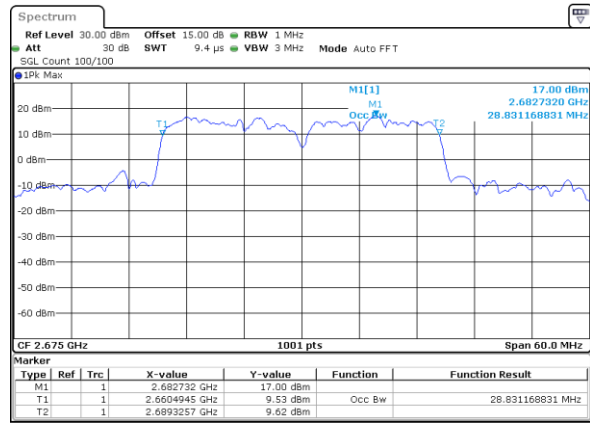
Date: 17\_AUG.2021 16:19:57

**Middle Channel / 15MHz+15MHz**

Date: 17\_AUG.2021 16:46:35

**Highest Channel / 10MHz+20MHz**

Date: 17\_AUG.2021 16:24:15

**Highest Channel / 15MHz+15MHz**

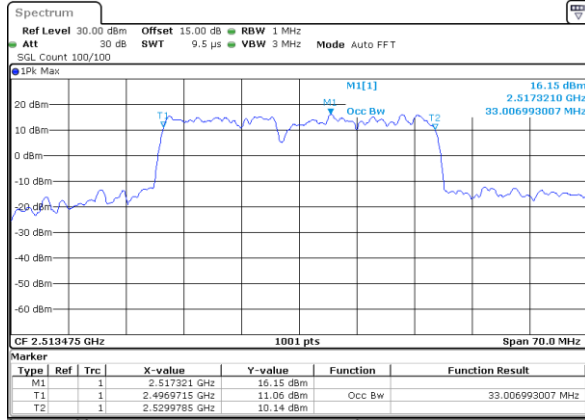
Date: 17\_AUG.2021 16:50:52



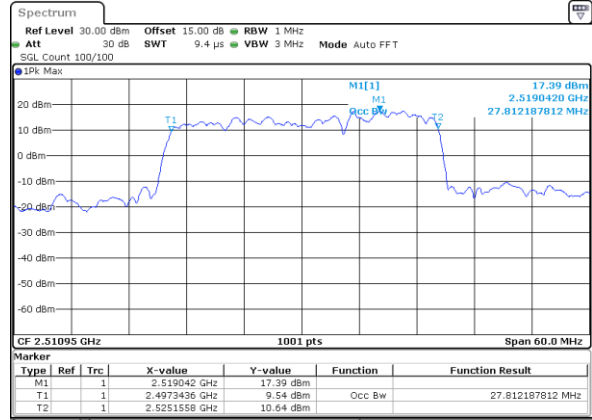
## LTE Band 41C

## 16QAM

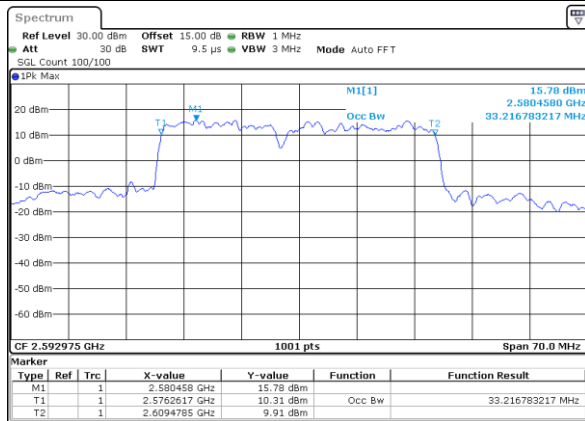
## Lowest Channel / 15MHz+20MHz



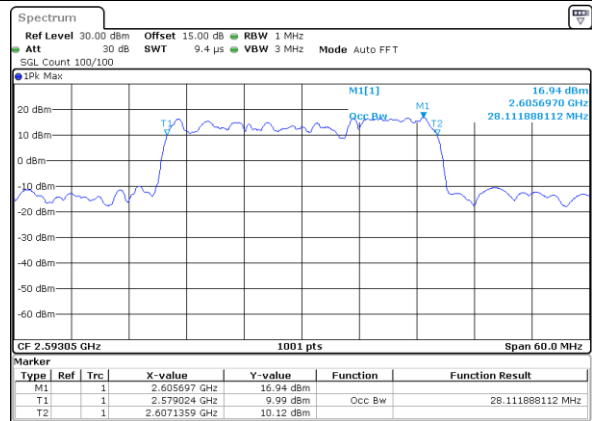
## Lowest Channel / 20MHz+10MHz



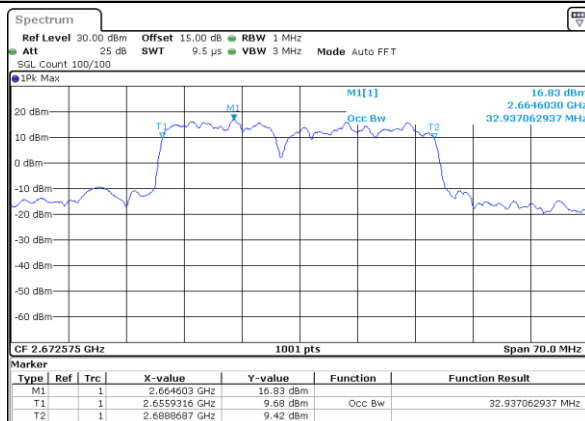
## Middle Channel / 15MHz+20MHz



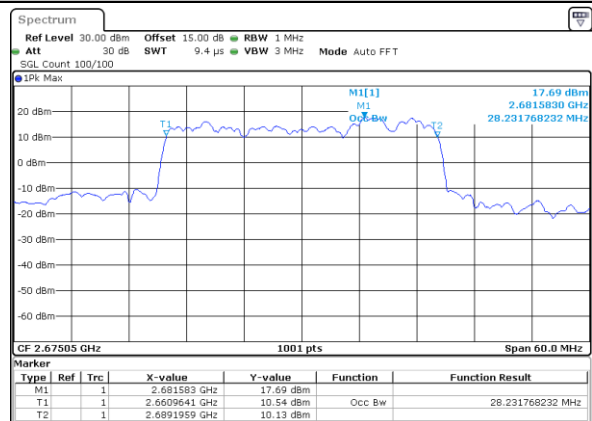
## Middle Channel / 20MHz+10MHz



## Highest Channel / 15MHz+20MHz



## Highest Channel / 20MHz+10MHz



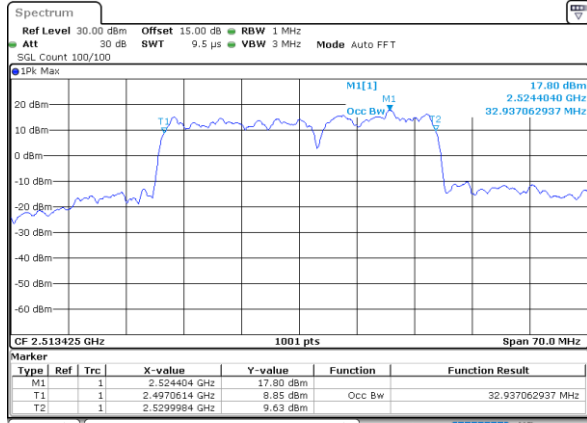




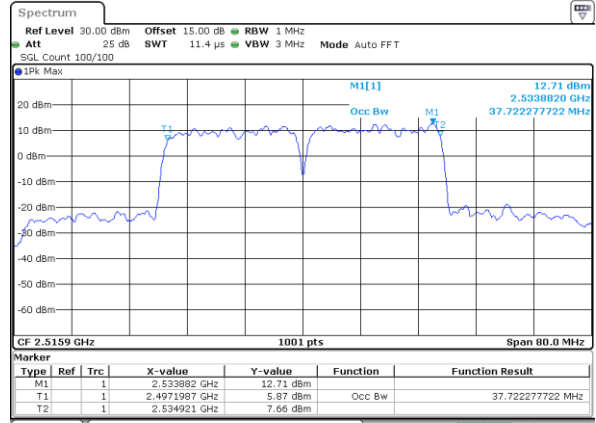
## LTE Band 41C

## 16QAM

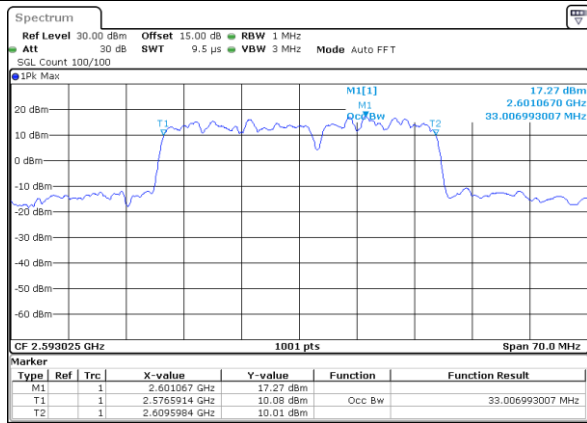
## Lowest Channel / 20MHz+15MHz



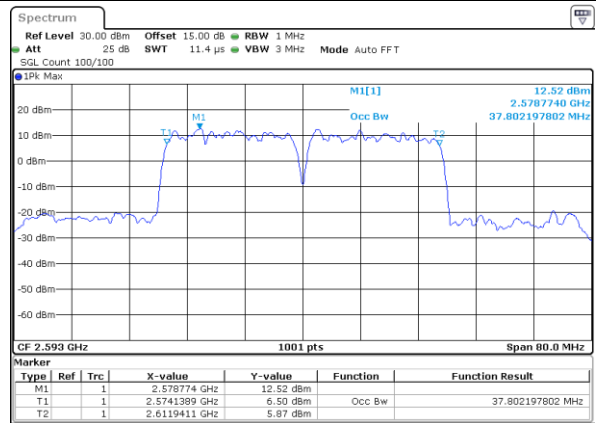
## Lowest Channel / 20MHz+20MHz



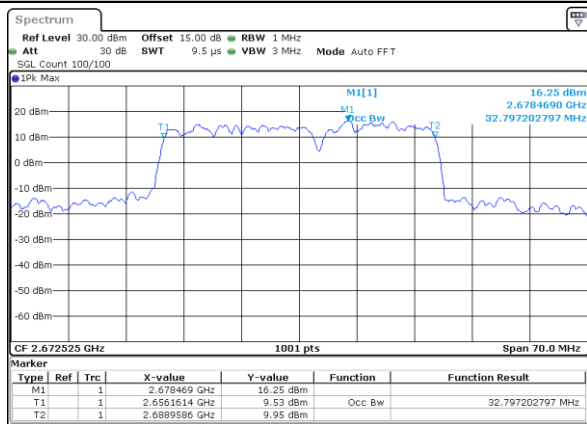
## Middle Channel / 20MHz+15MHz



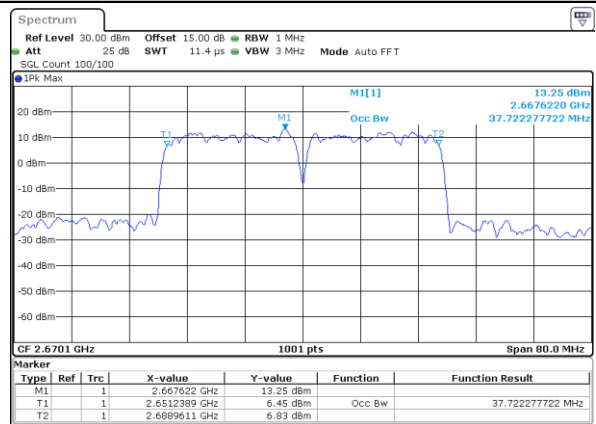
## Middle Channel / 20MHz+20MHz



## Highest Channel / 20MHz+15MHz



## Highest Channel / 20MHz+20MHz

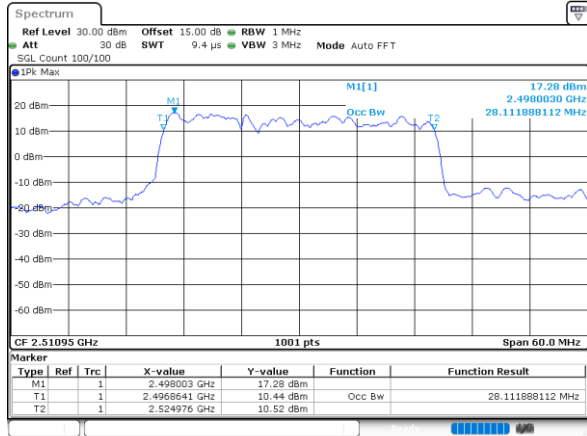




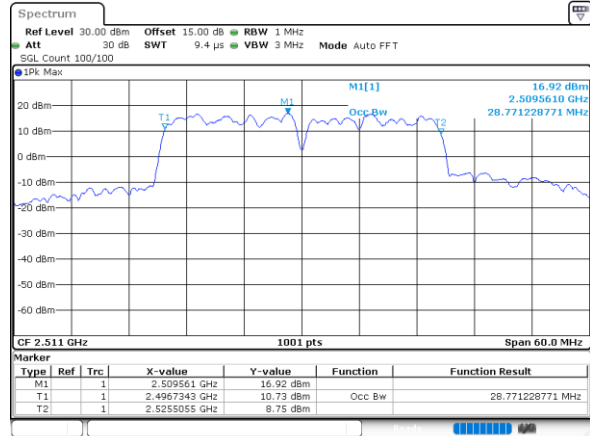
## LTE Band 41C

## 64QAM

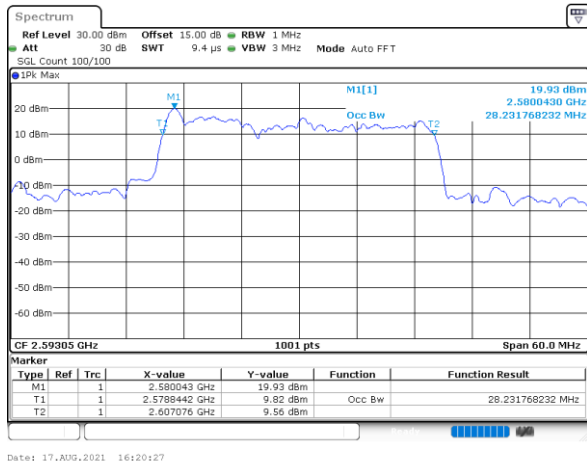
## Lowest Channel / 10MHz+20MHz



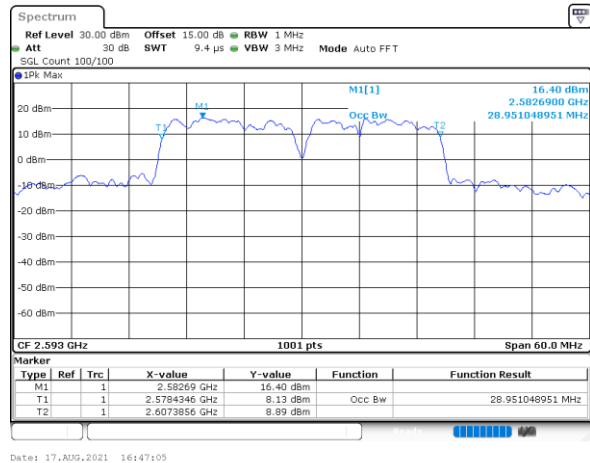
## Lowest Channel / 15MHz+15MHz



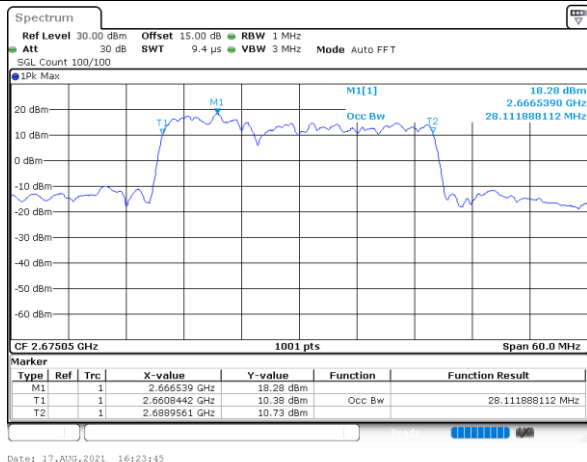
## Middle Channel / 10MHz+20MHz



## Middle Channel / 15MHz+15MHz



## Highest Channel / 10MHz+20MHz



## Highest Channel / 15MHz+15MHz

